

FIG. 1

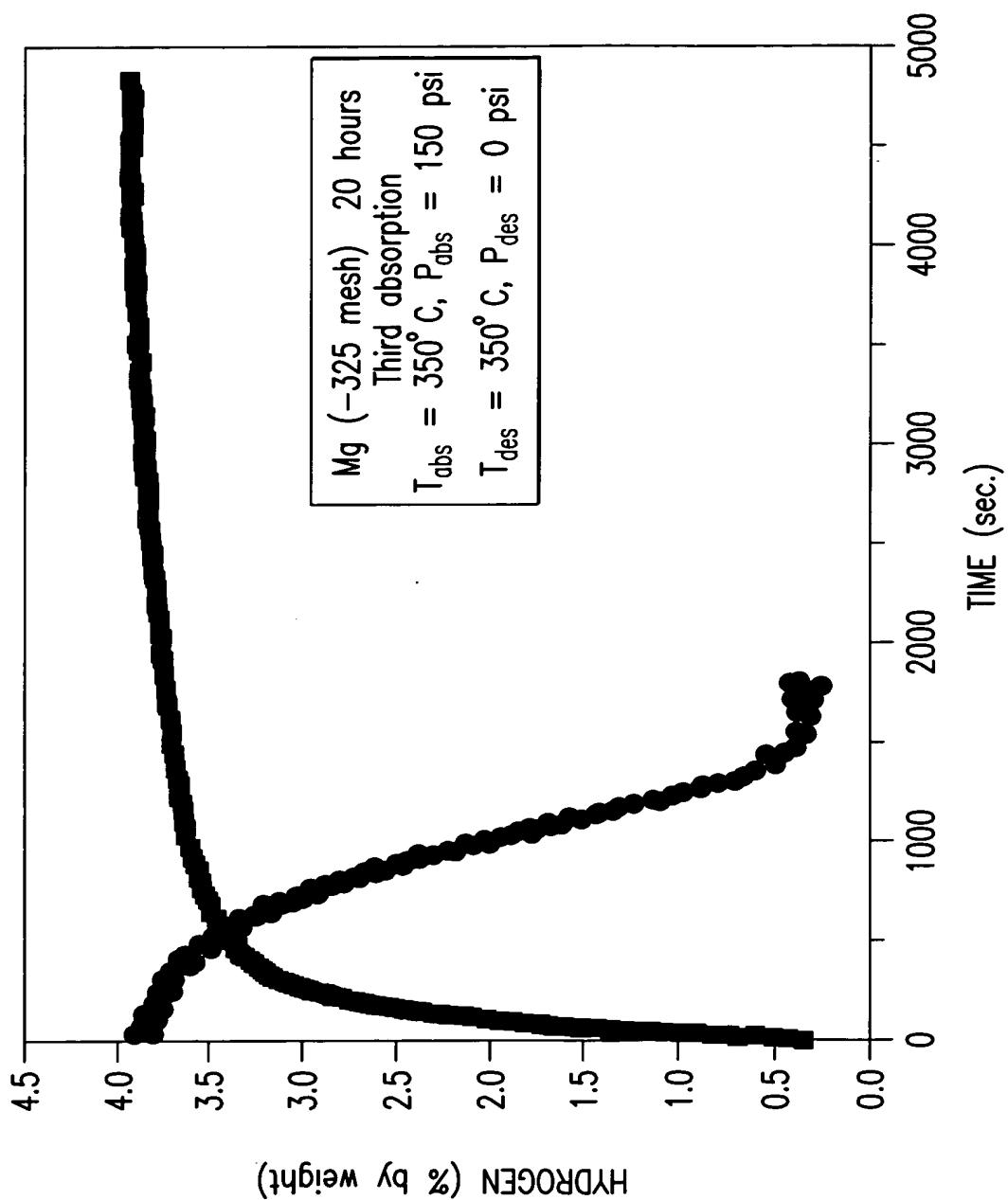


FIG. 2

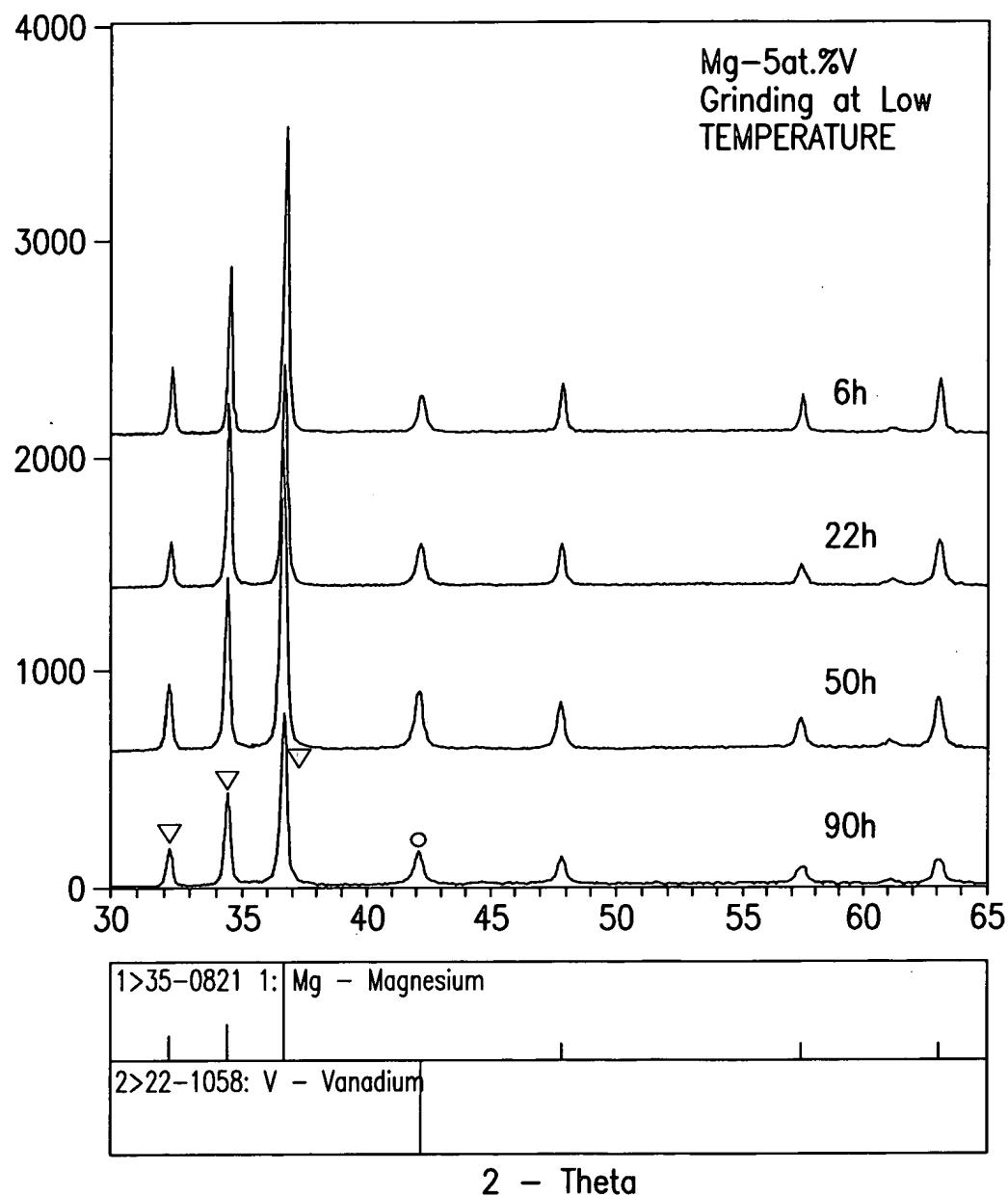


FIG.3

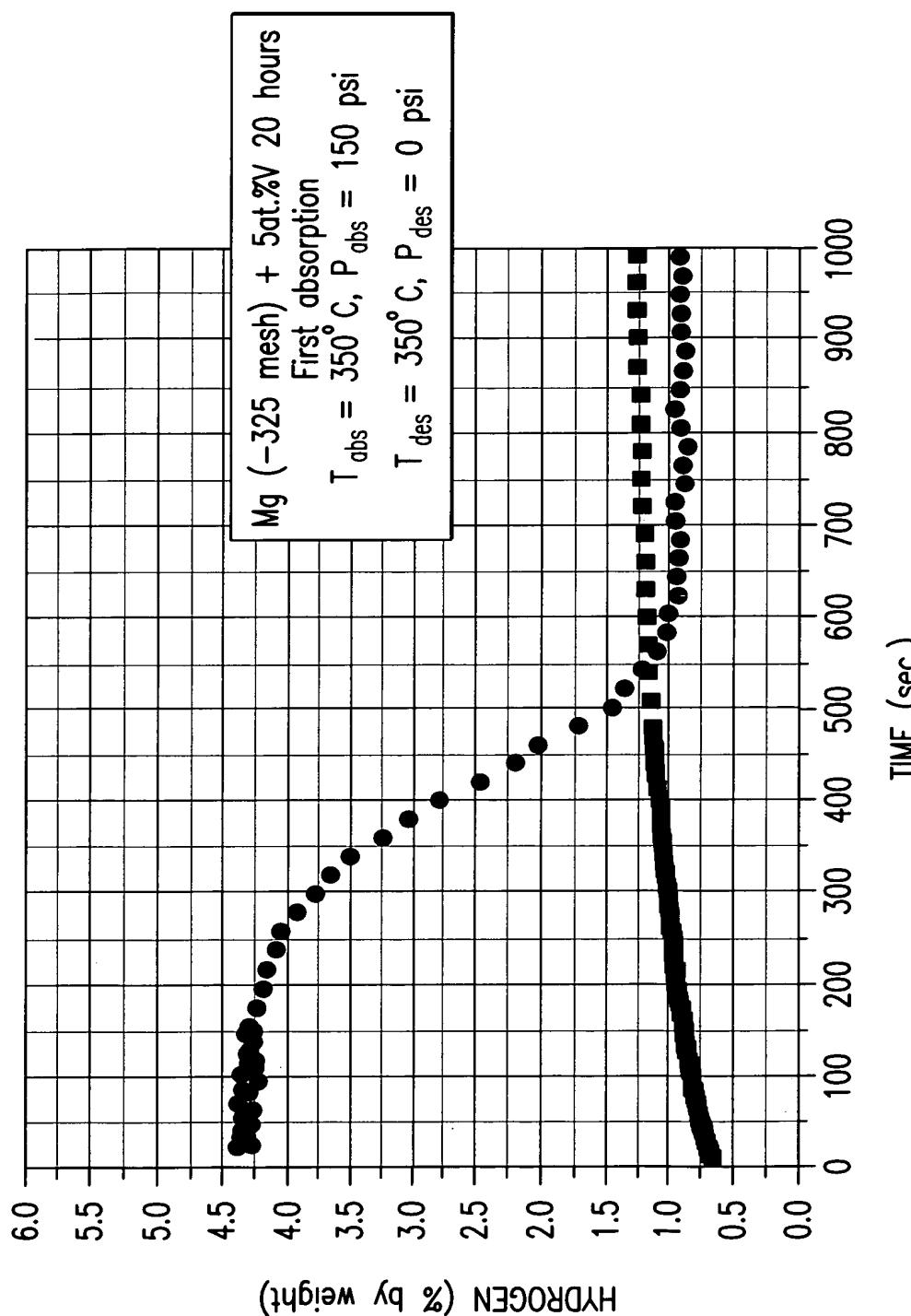


FIG. 4

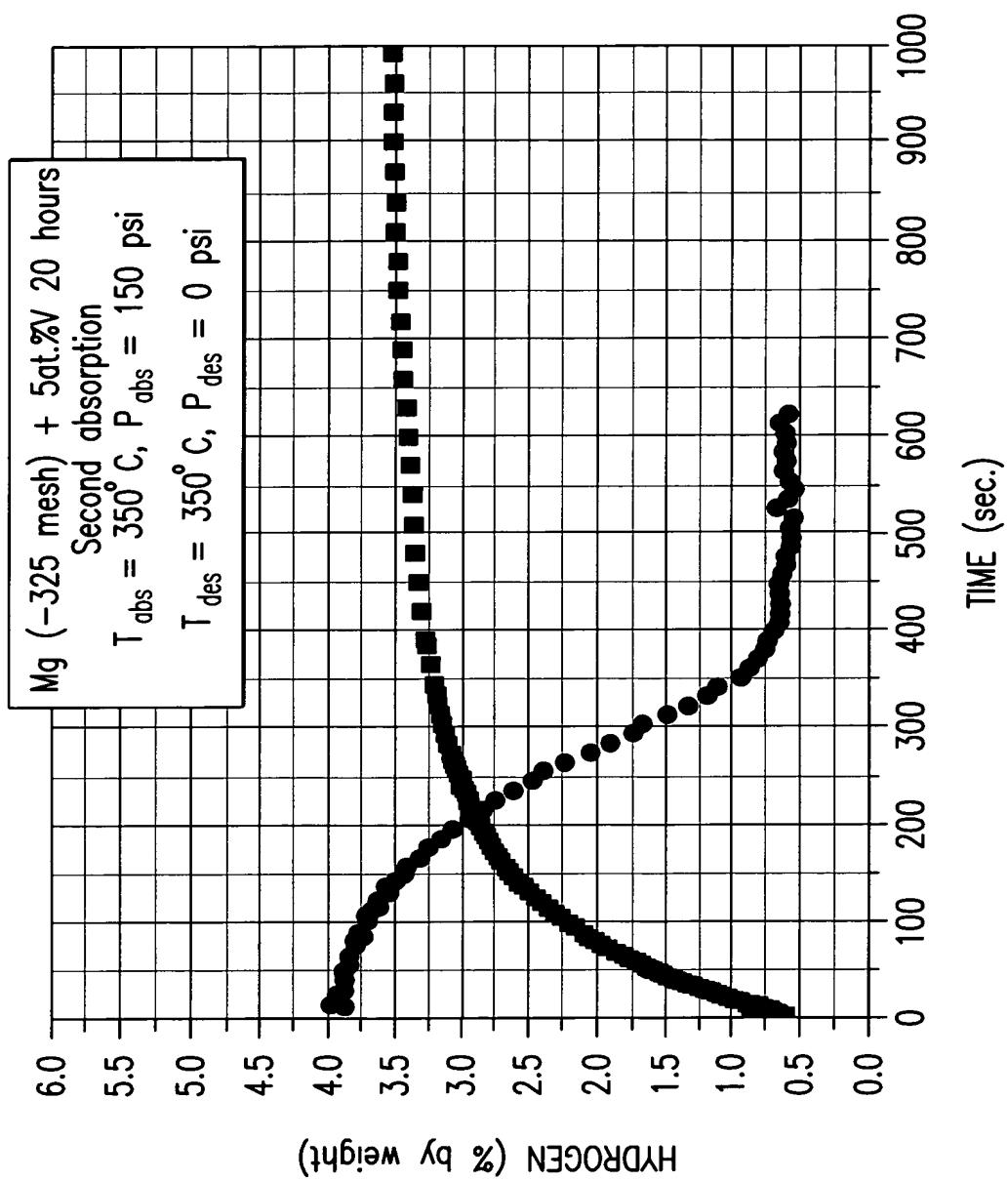


FIG. 5

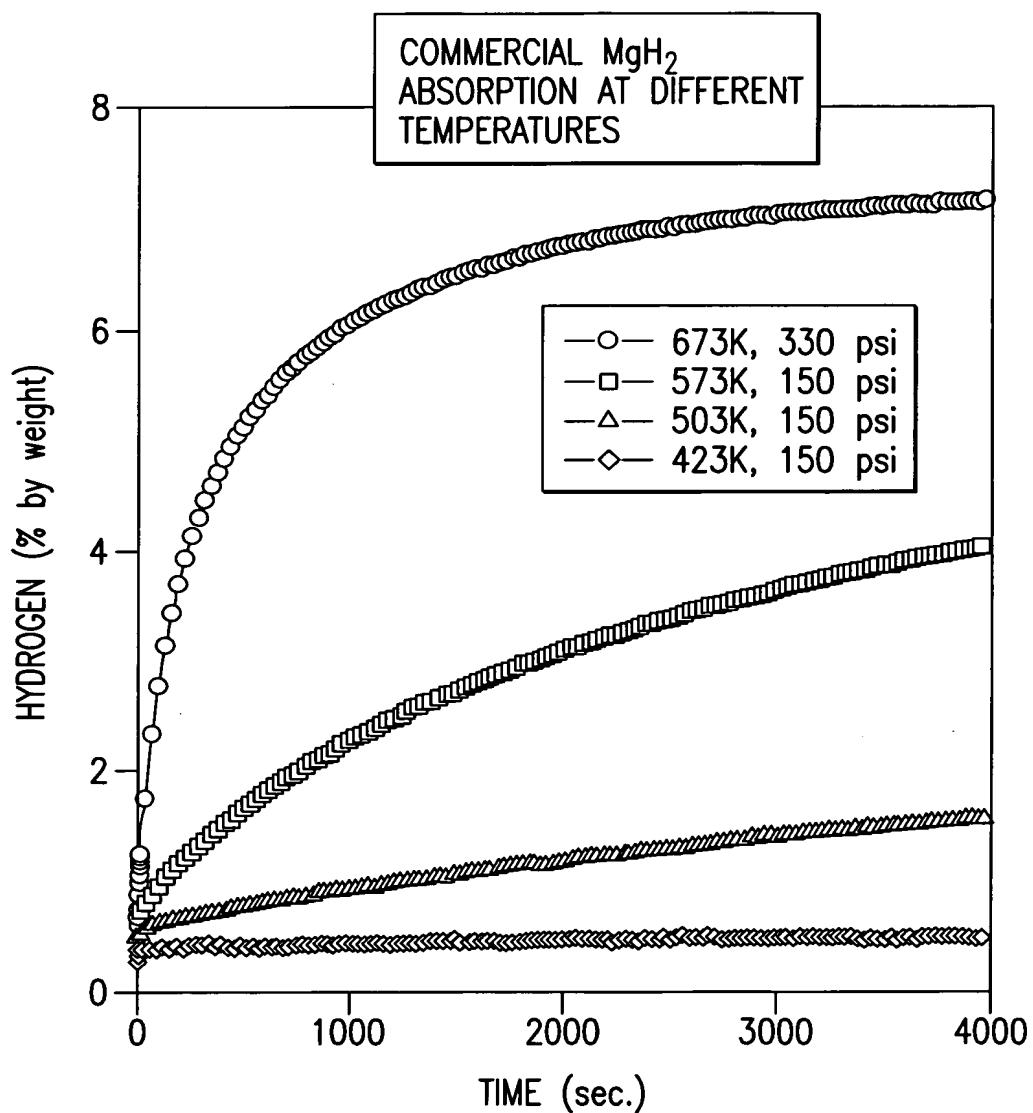


FIG. 6

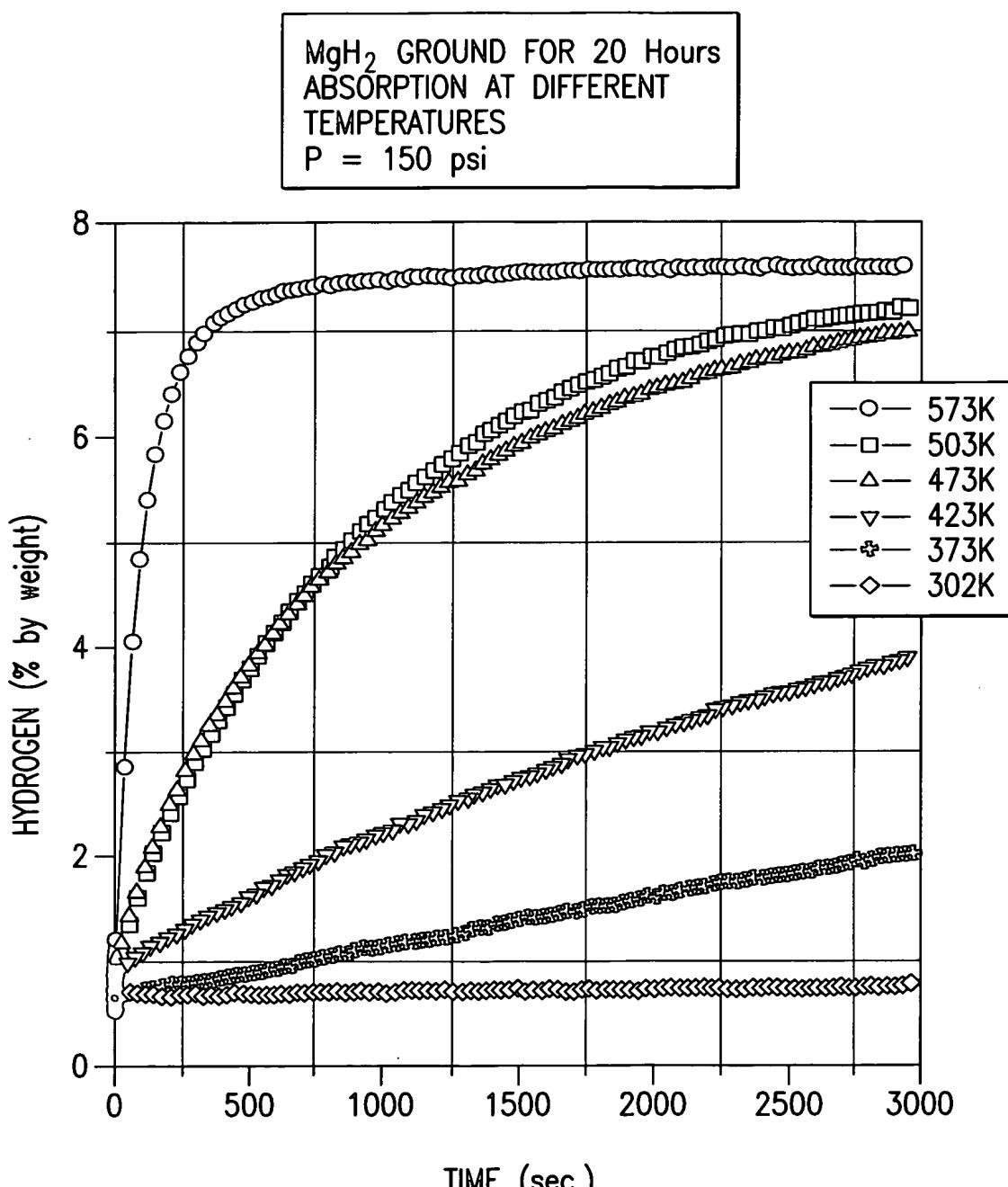


FIG. 7

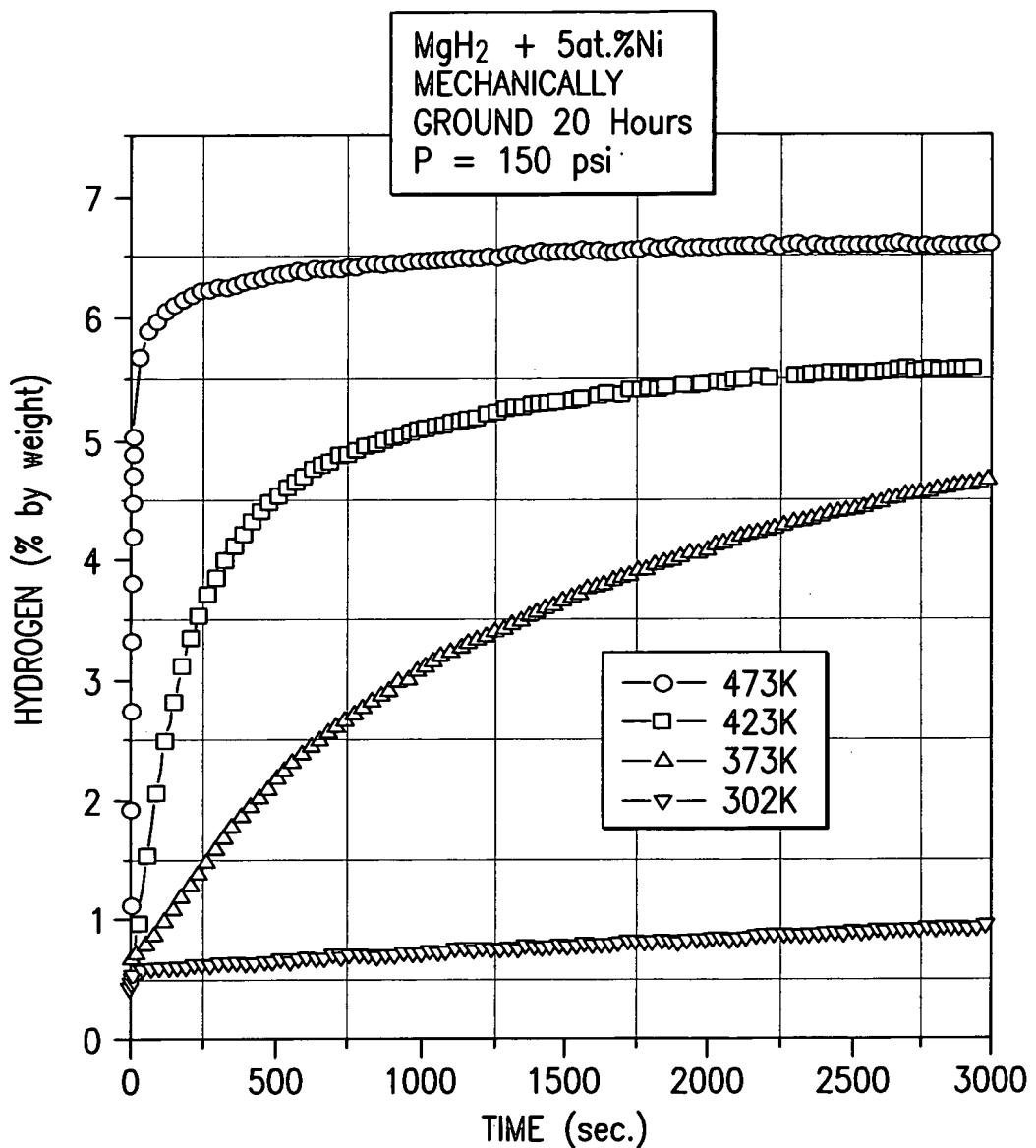


FIG. 8

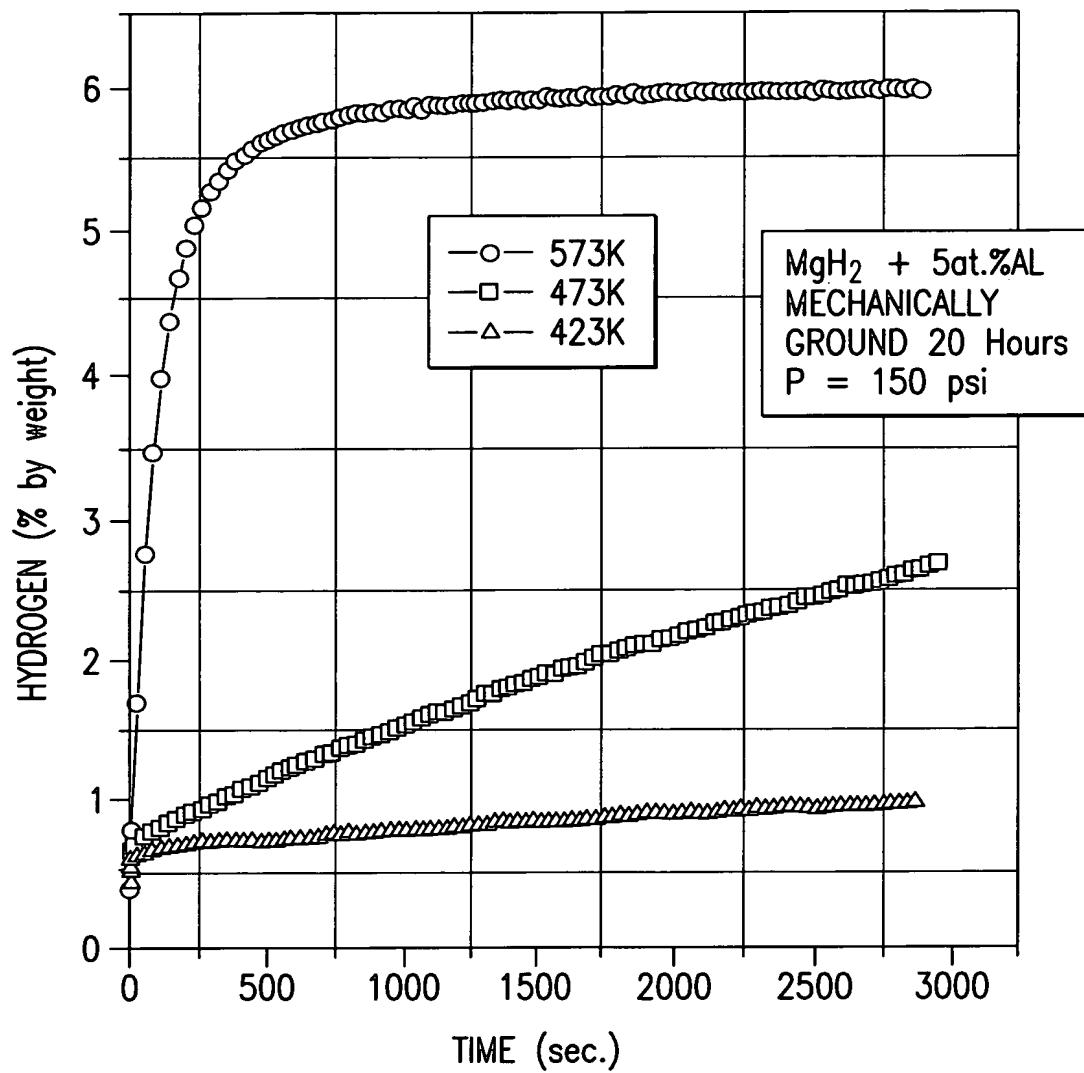


FIG. 9

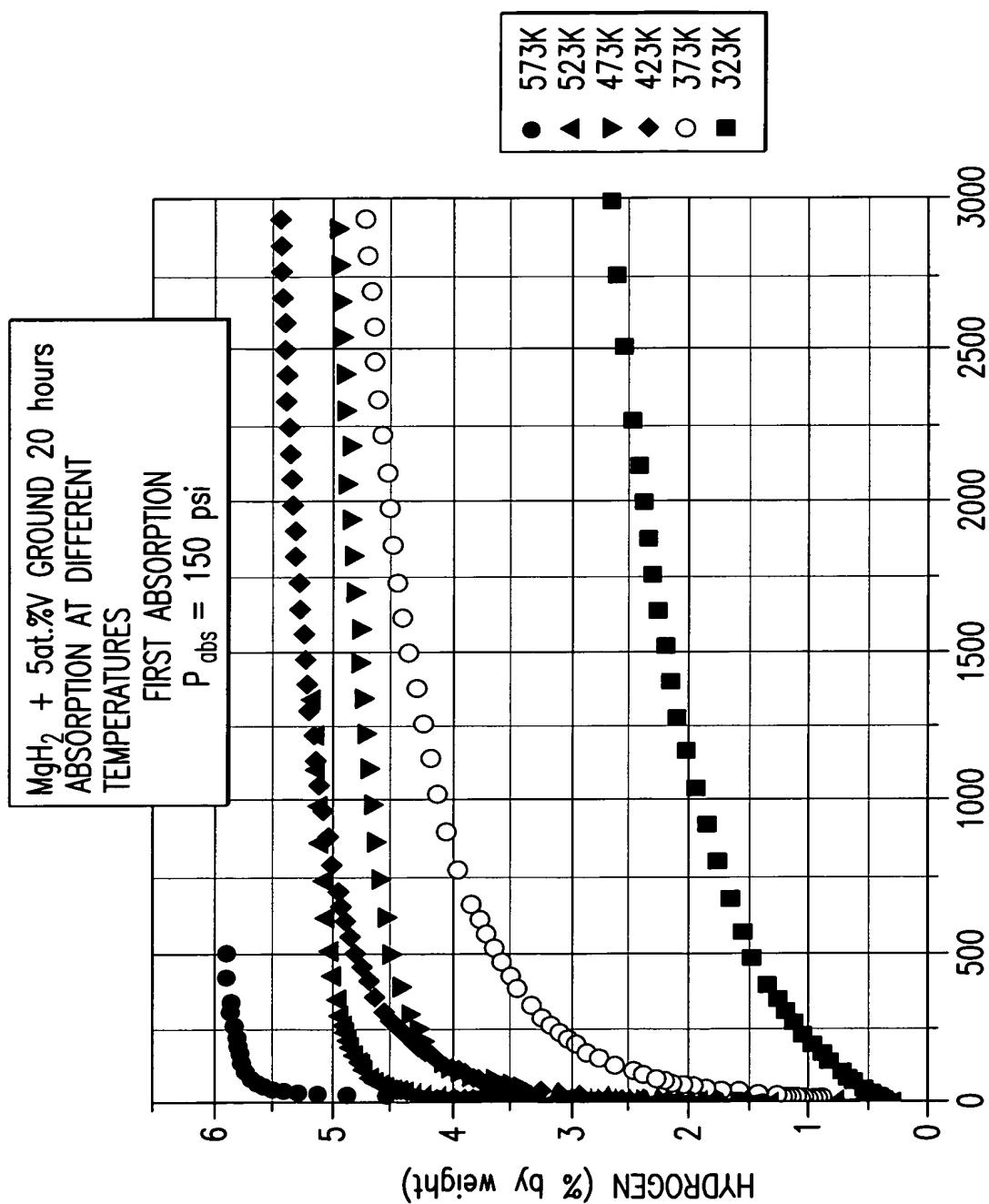
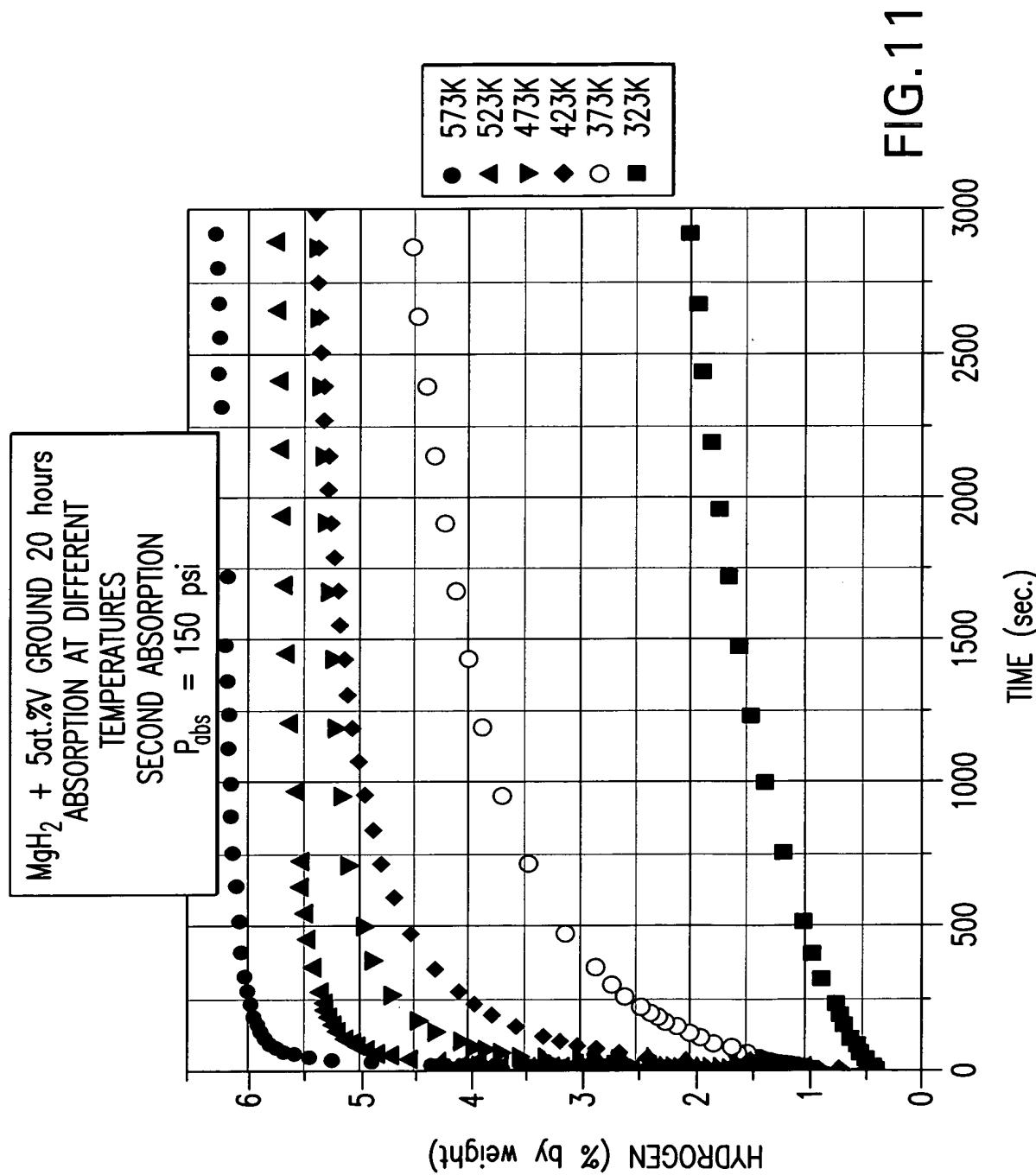


FIG. 10



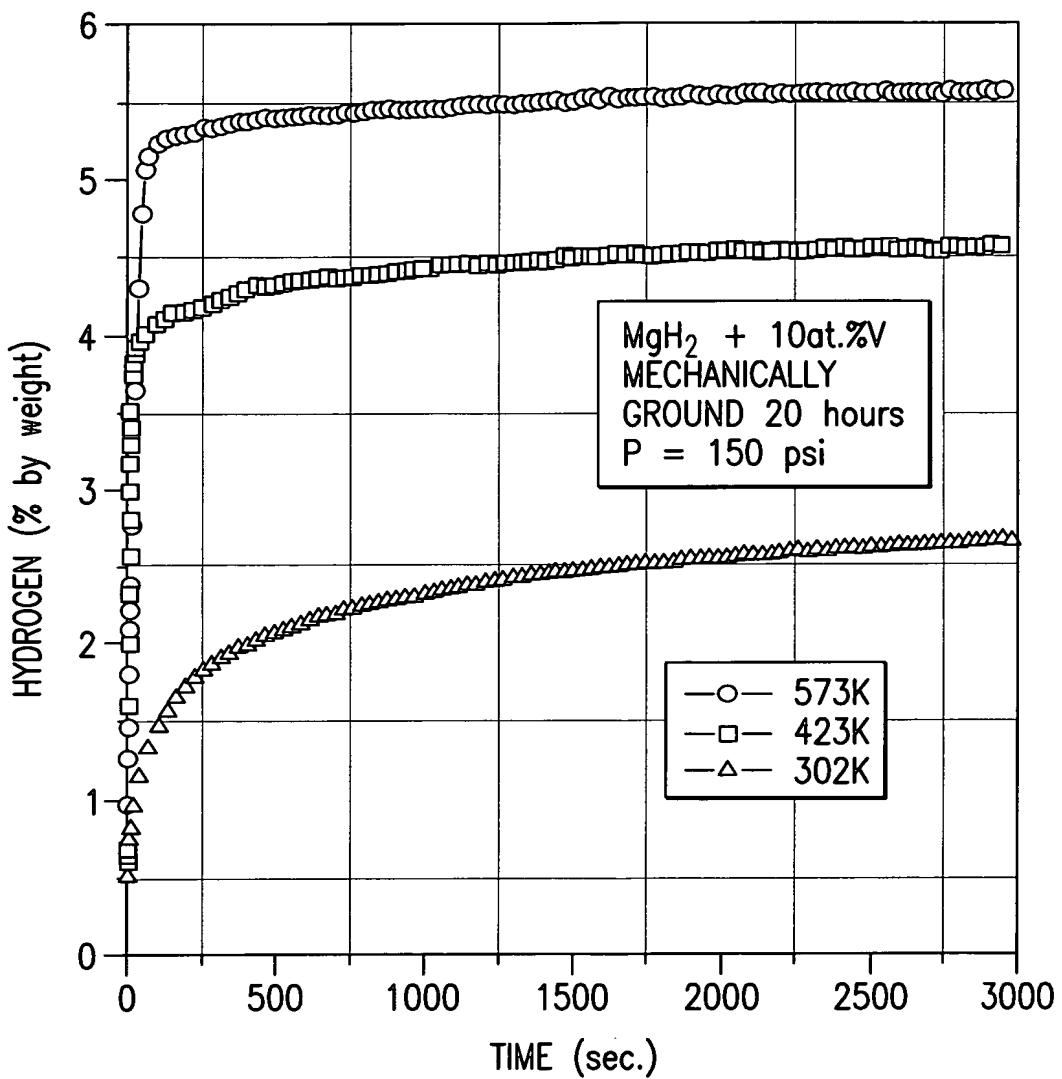


FIG. 12

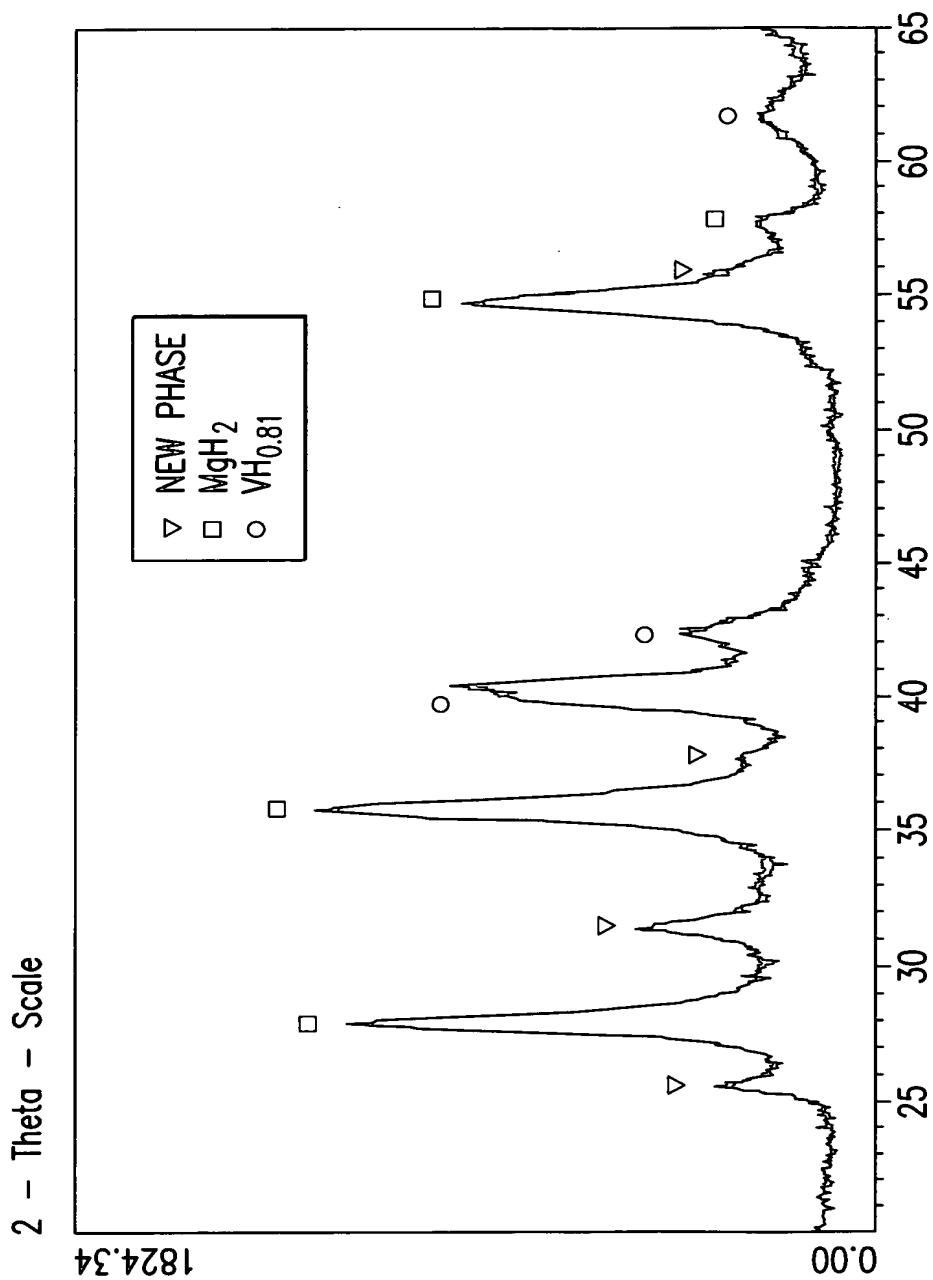


FIG. 13

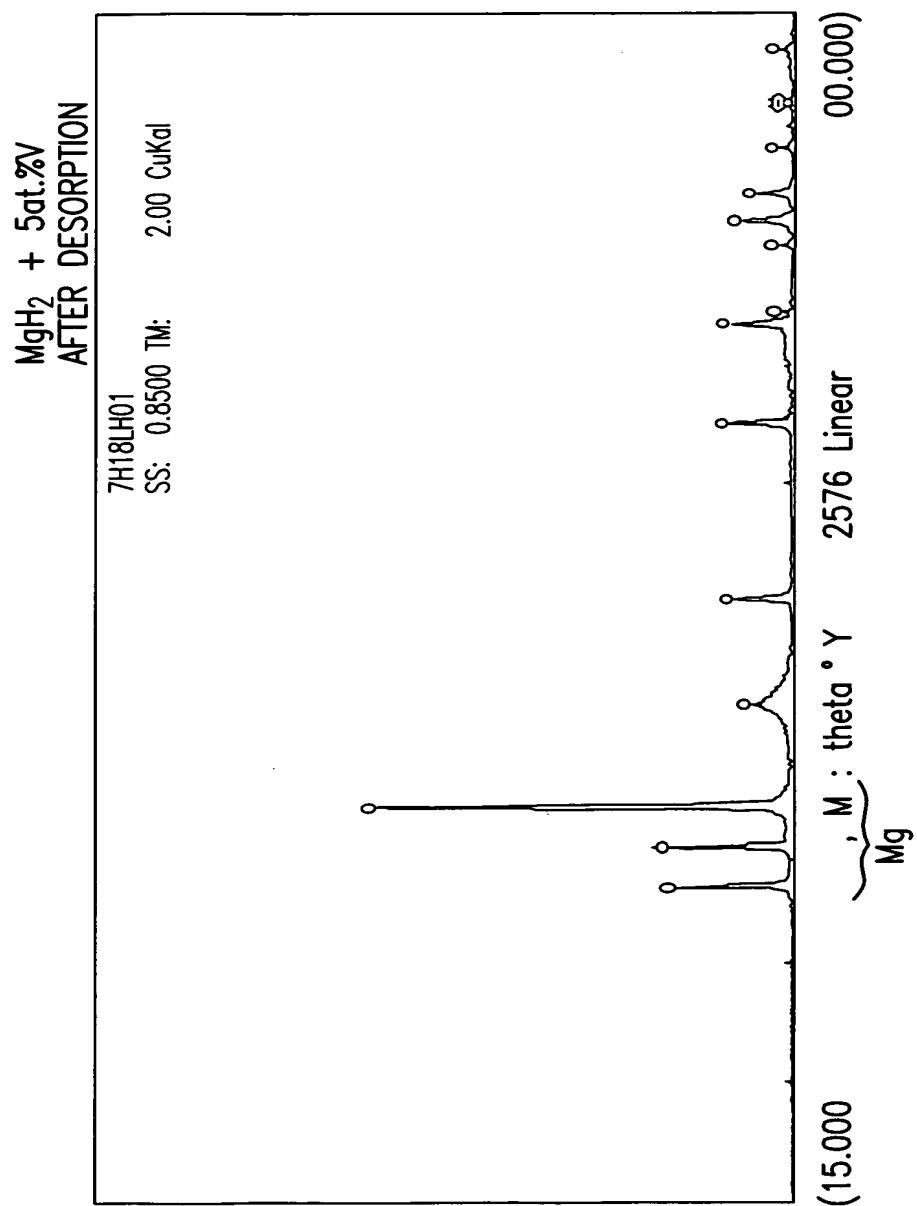


FIG. 14

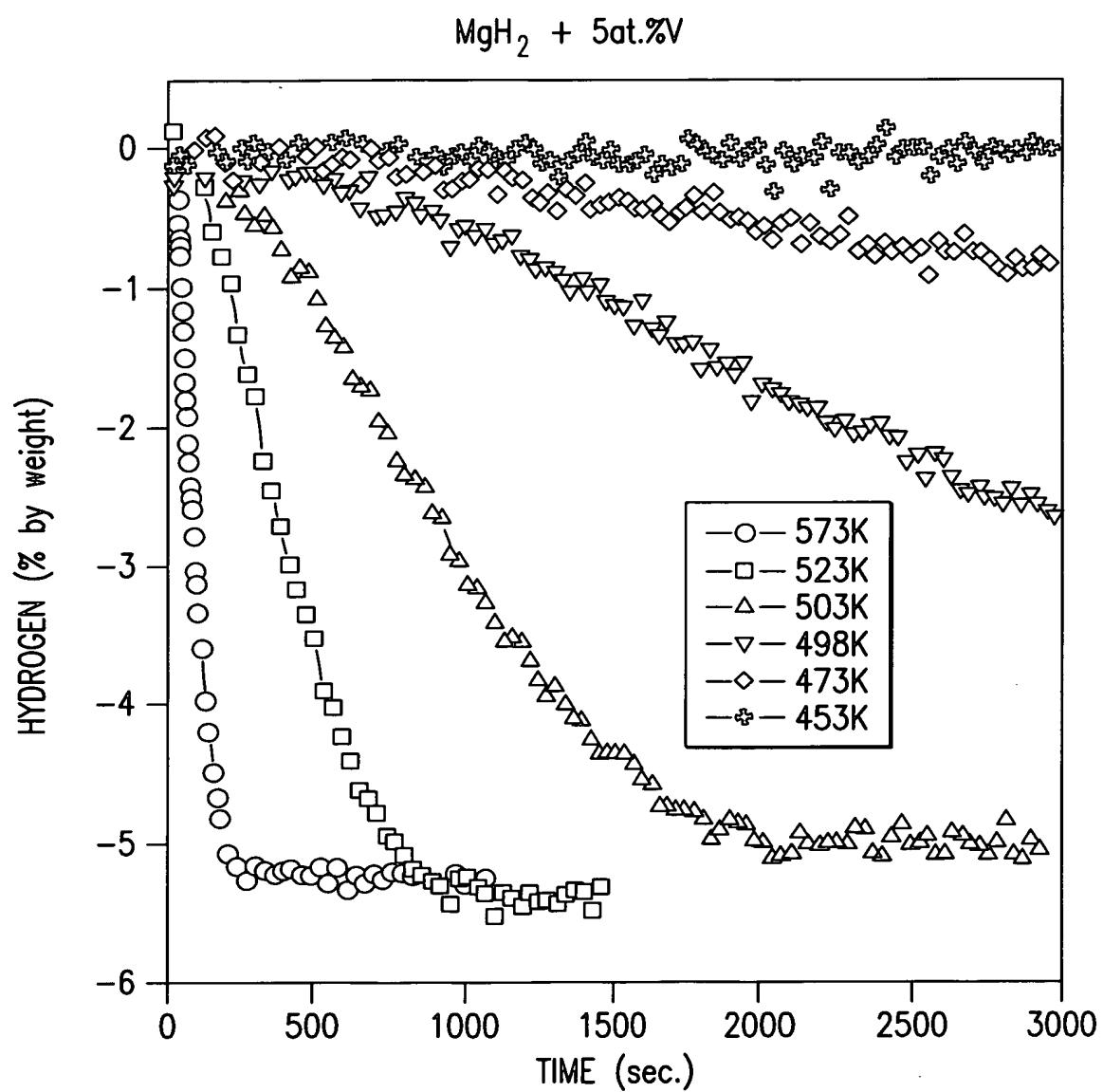


FIG. 15

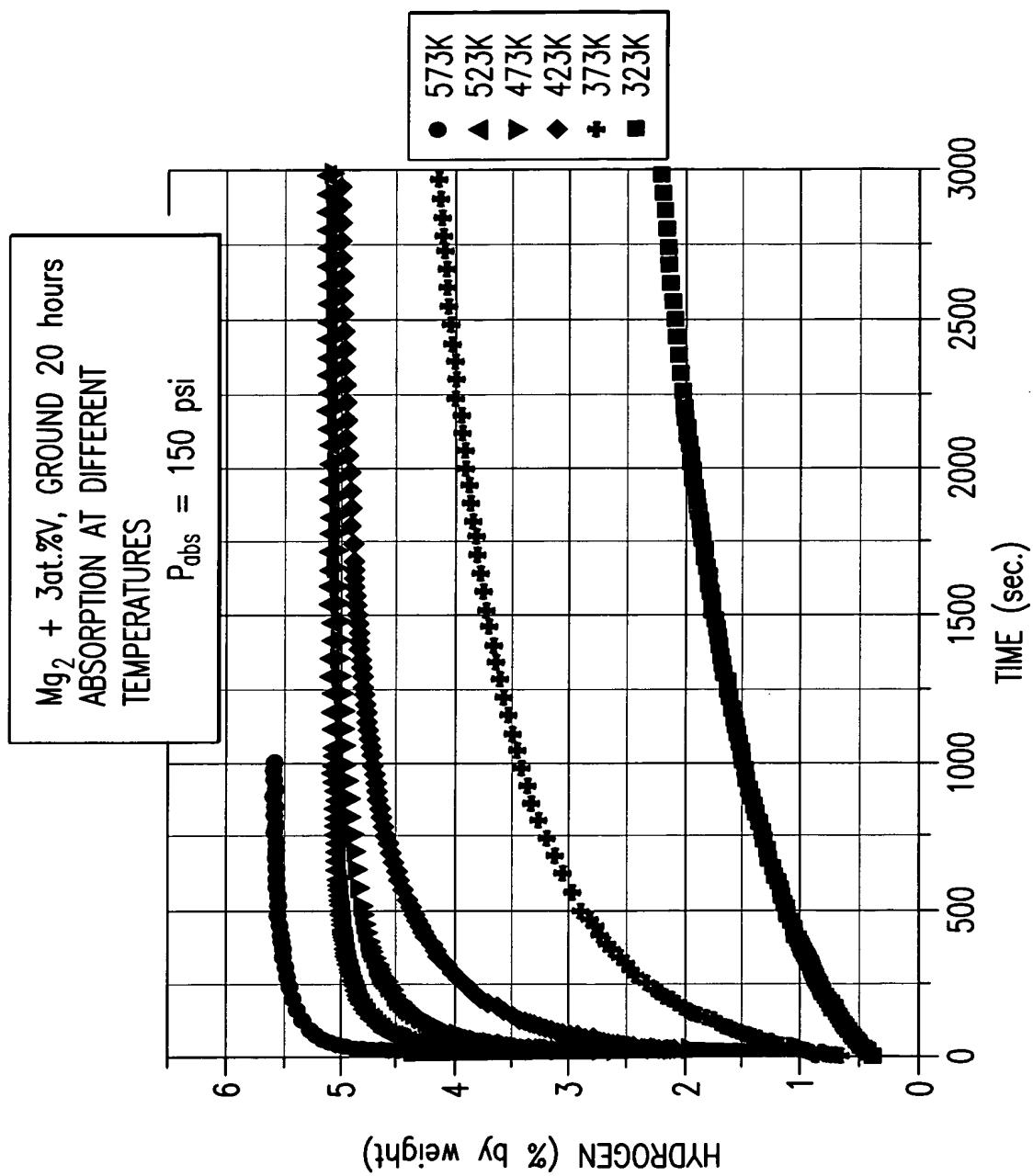


FIG. 16

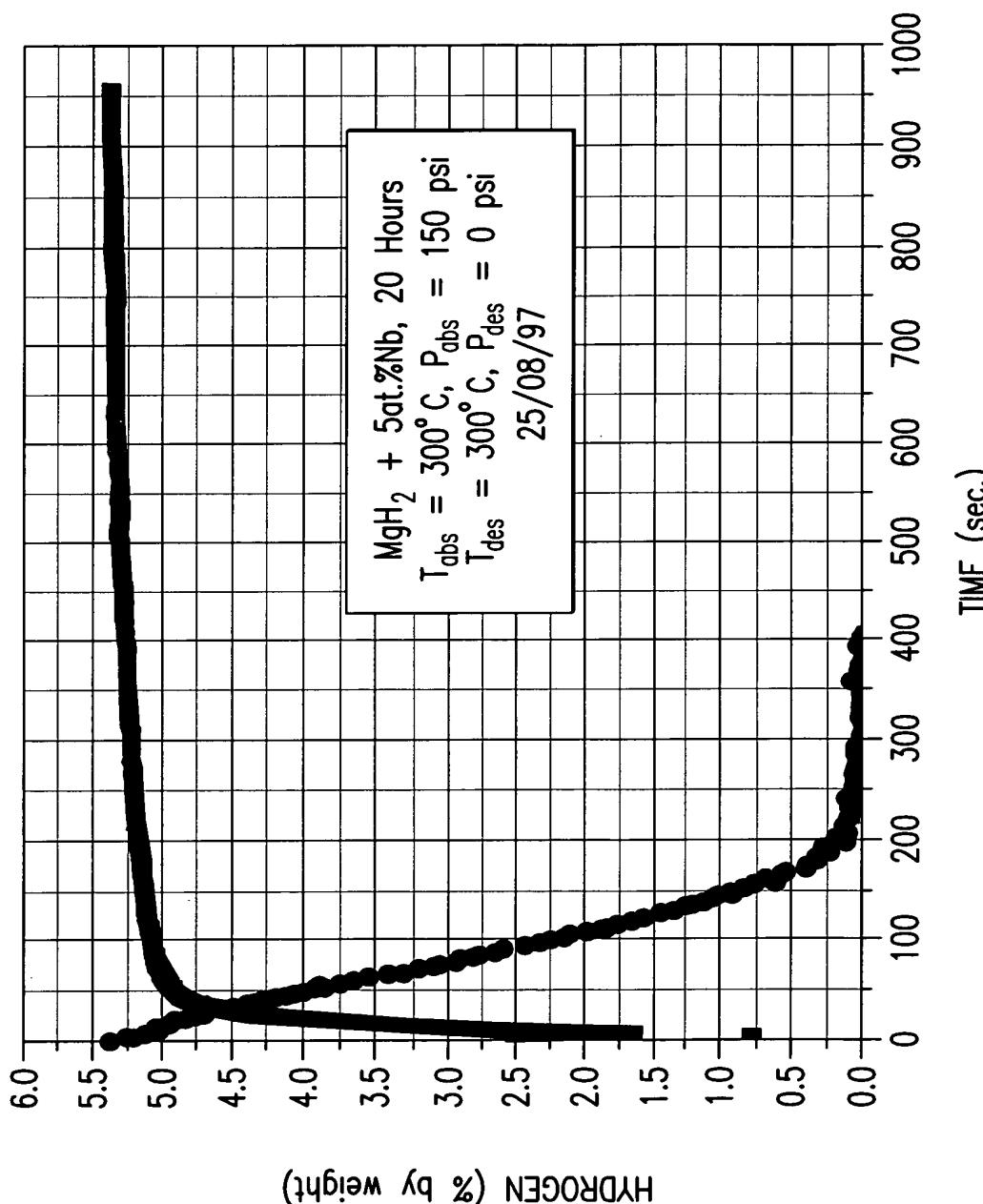


FIG. 17

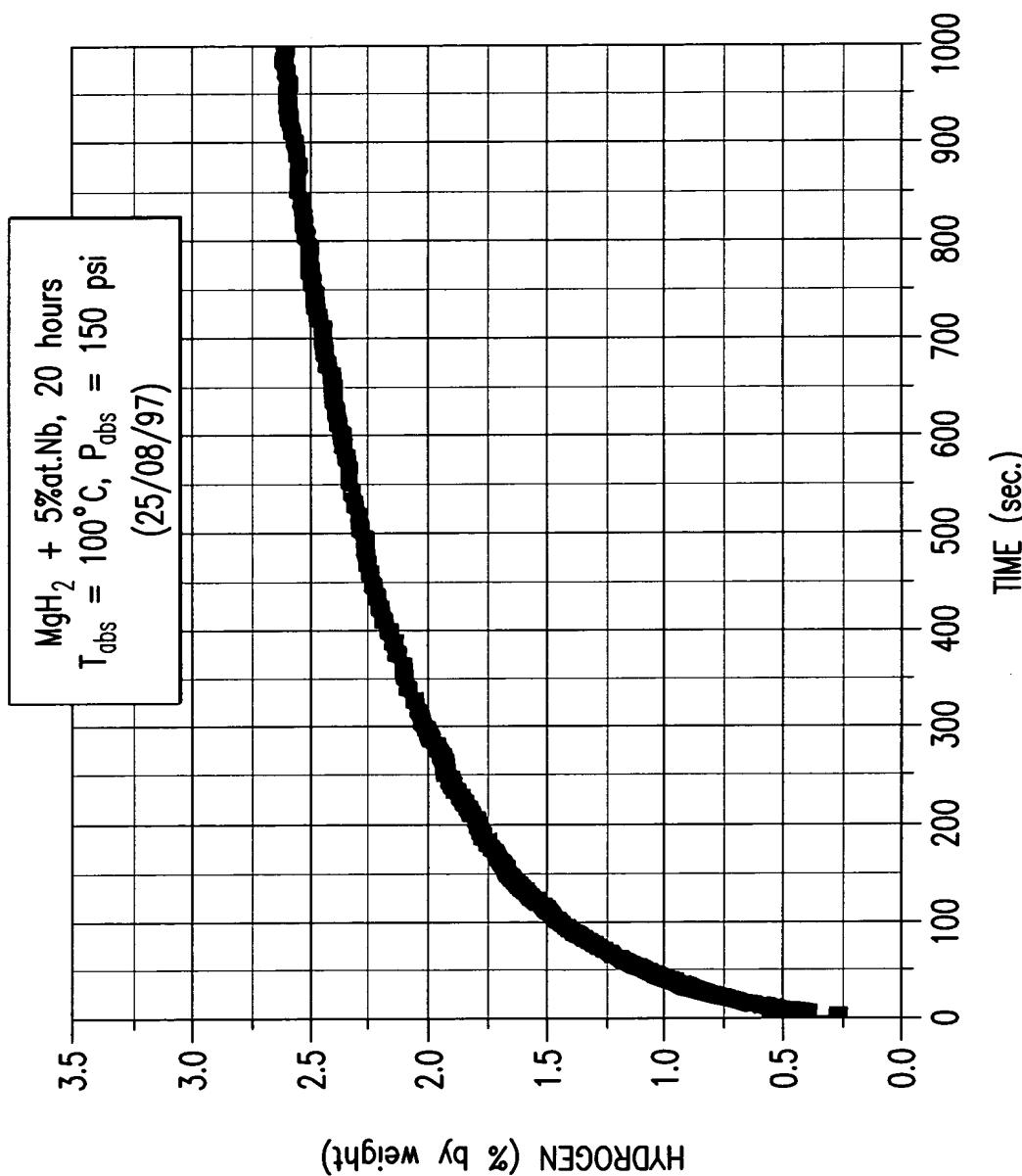


FIG. 18

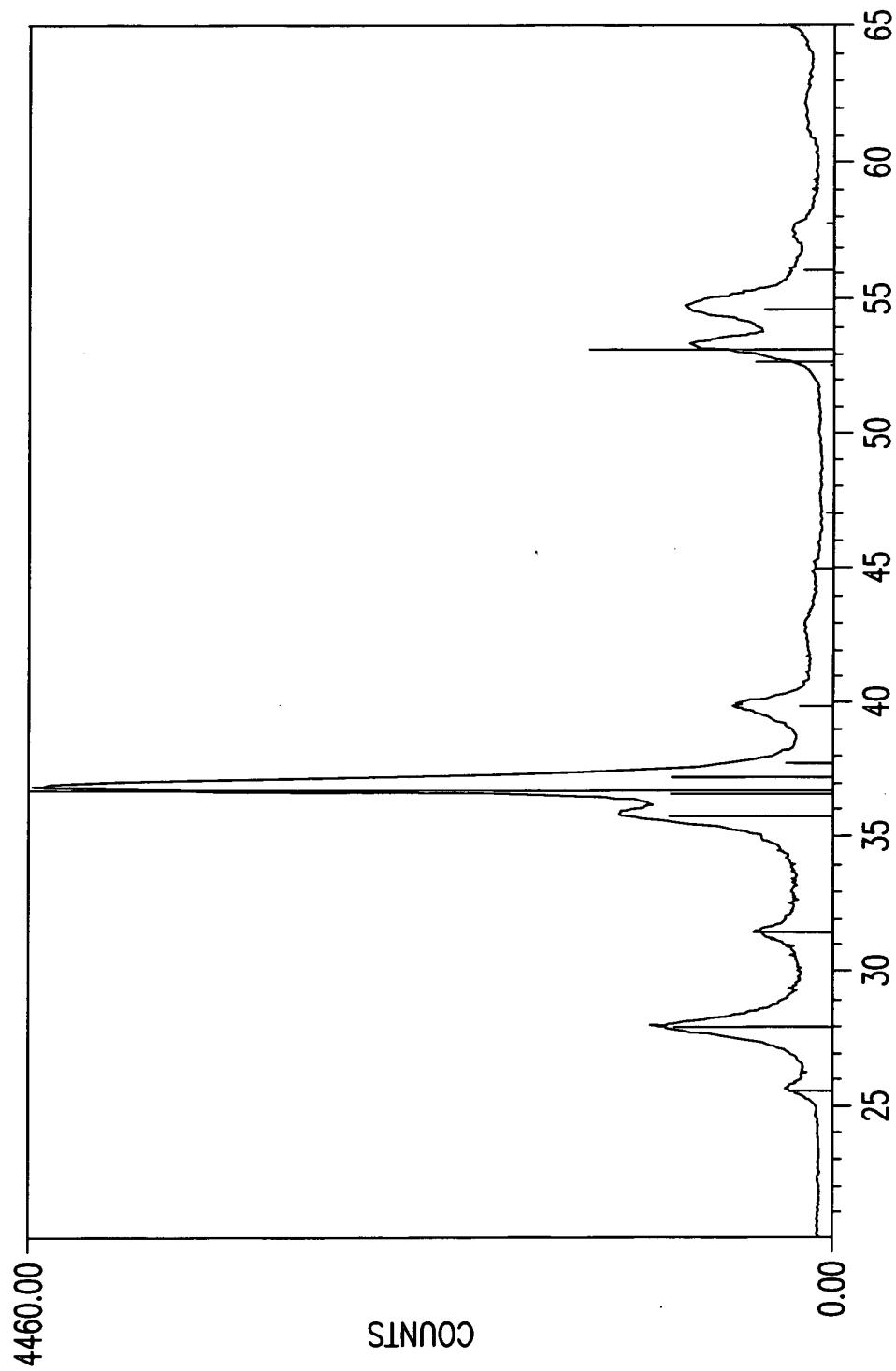


FIG. 19

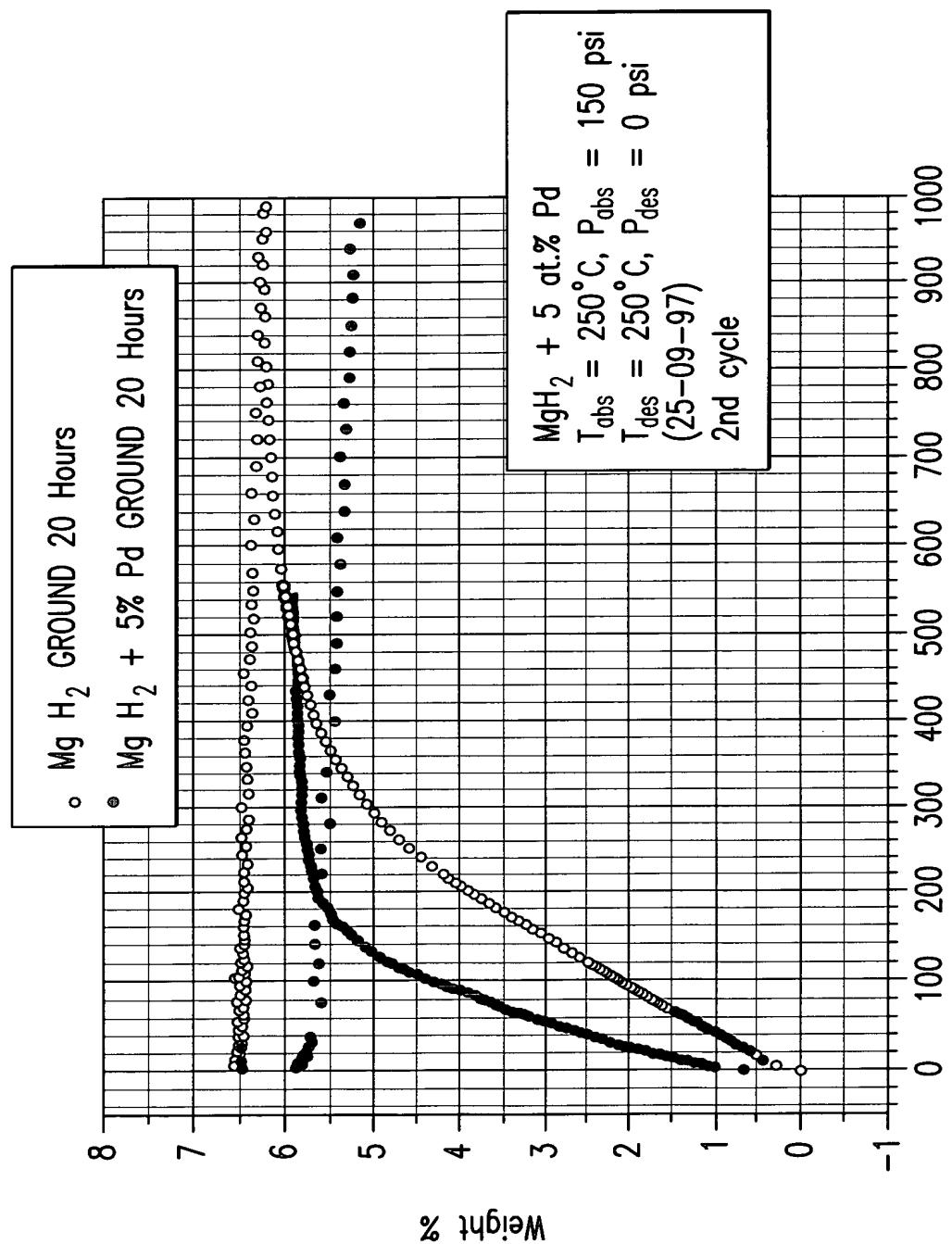


FIG. 20

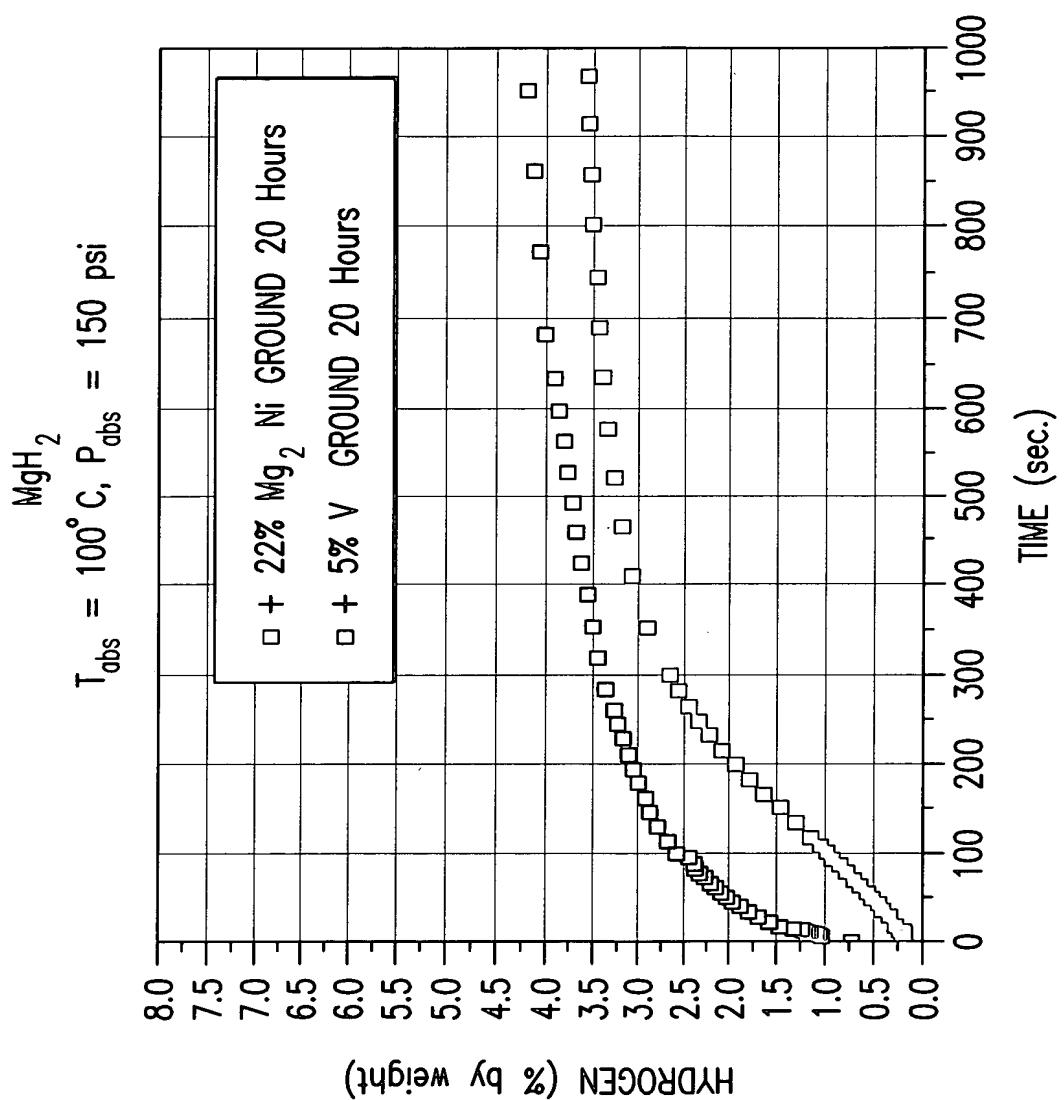


FIG. 21

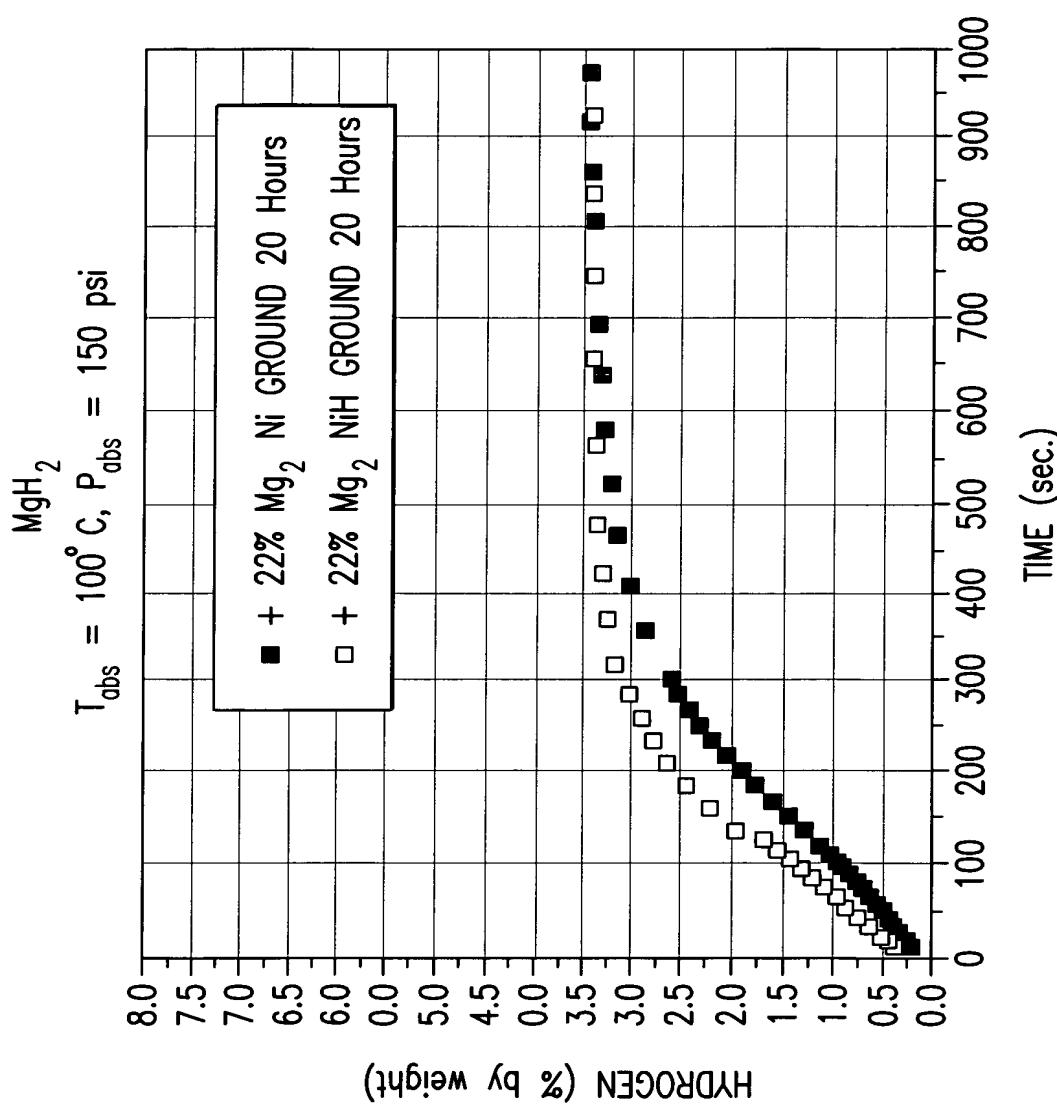


FIG. 22

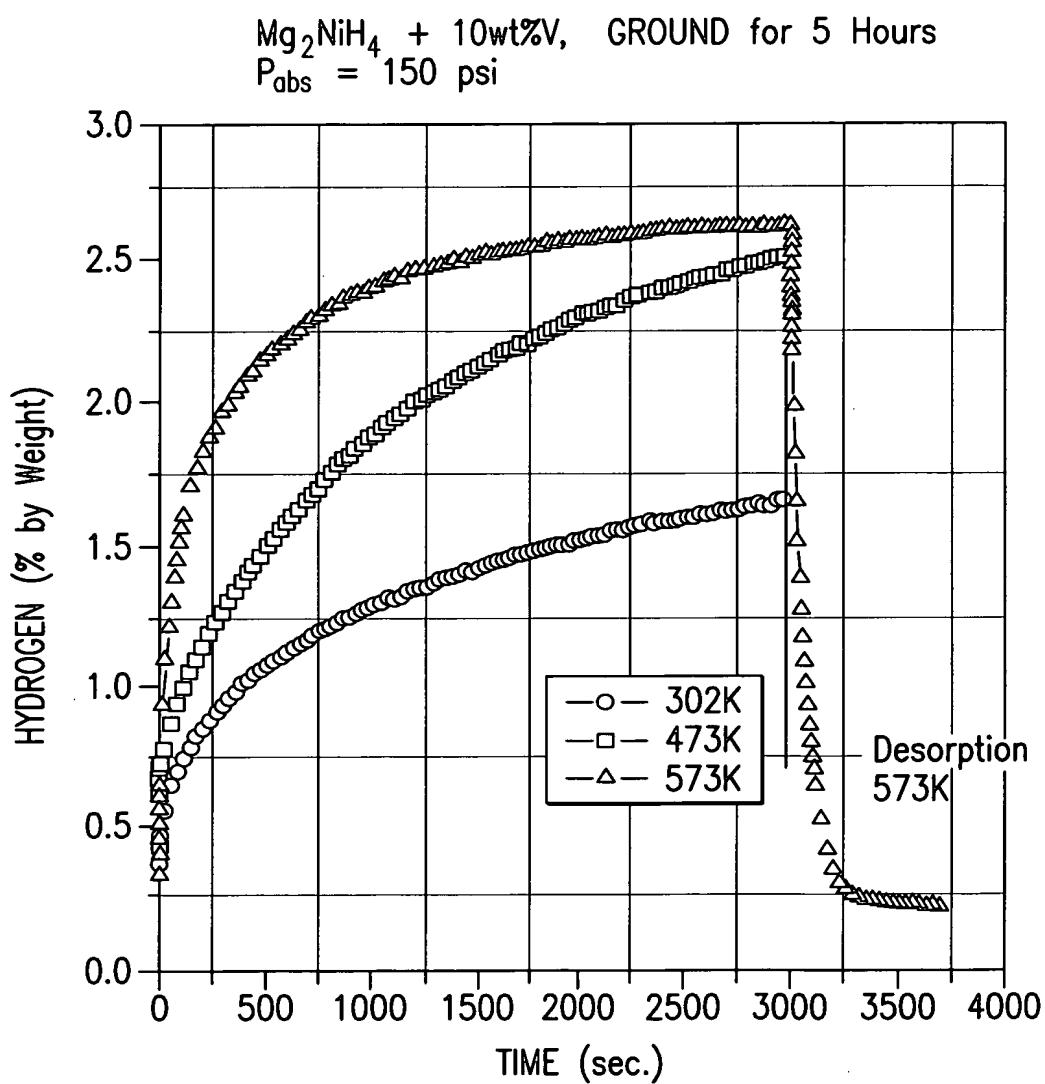


FIG. 23

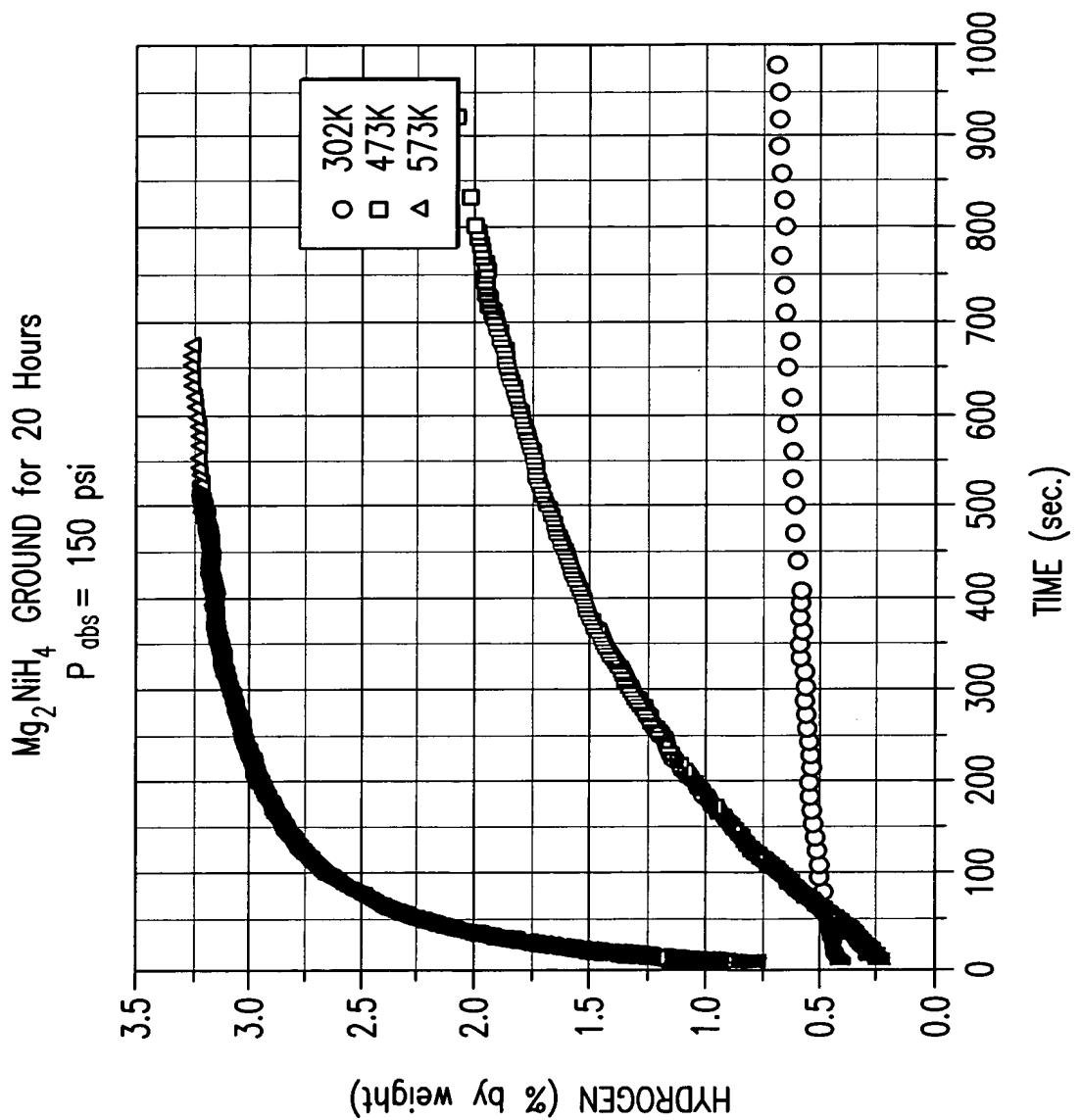


FIG. 24

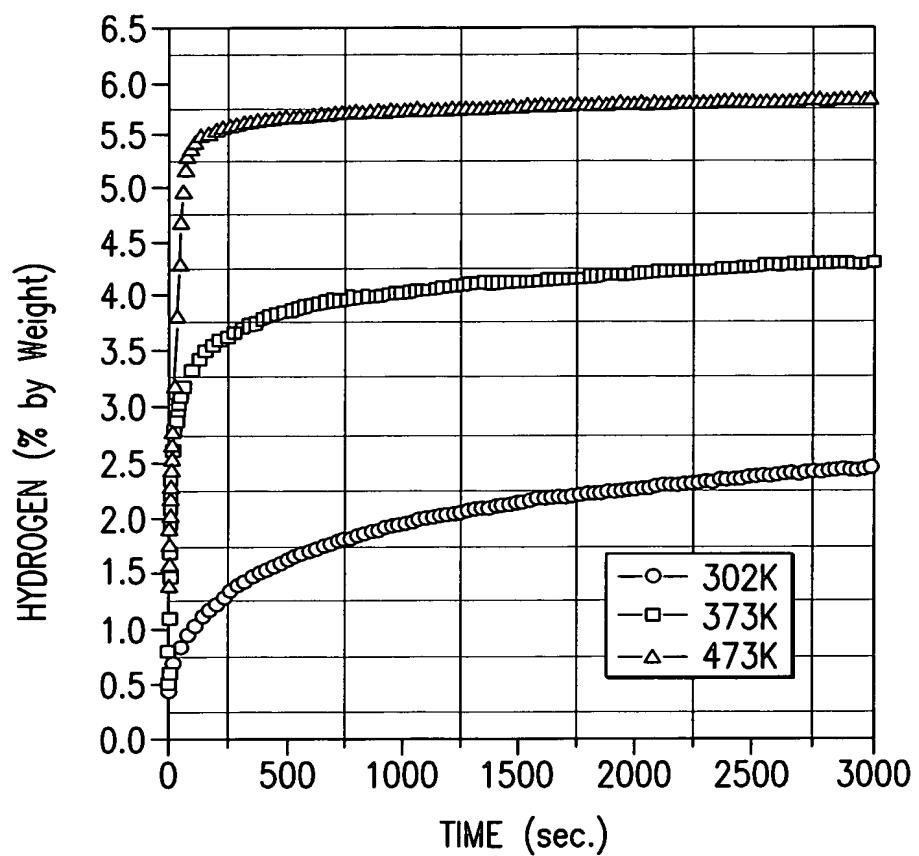


FIG. 25

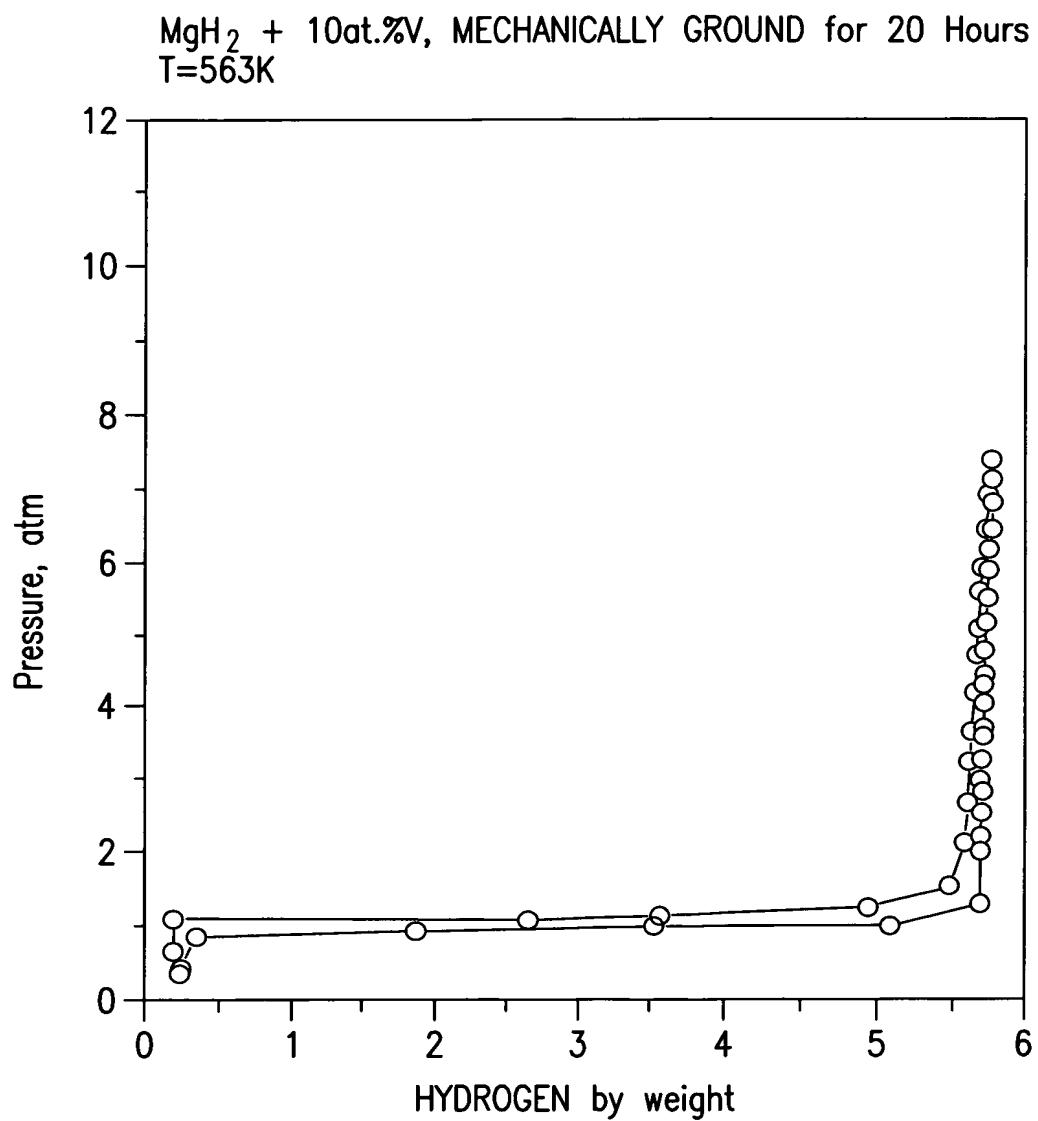


FIG. 26

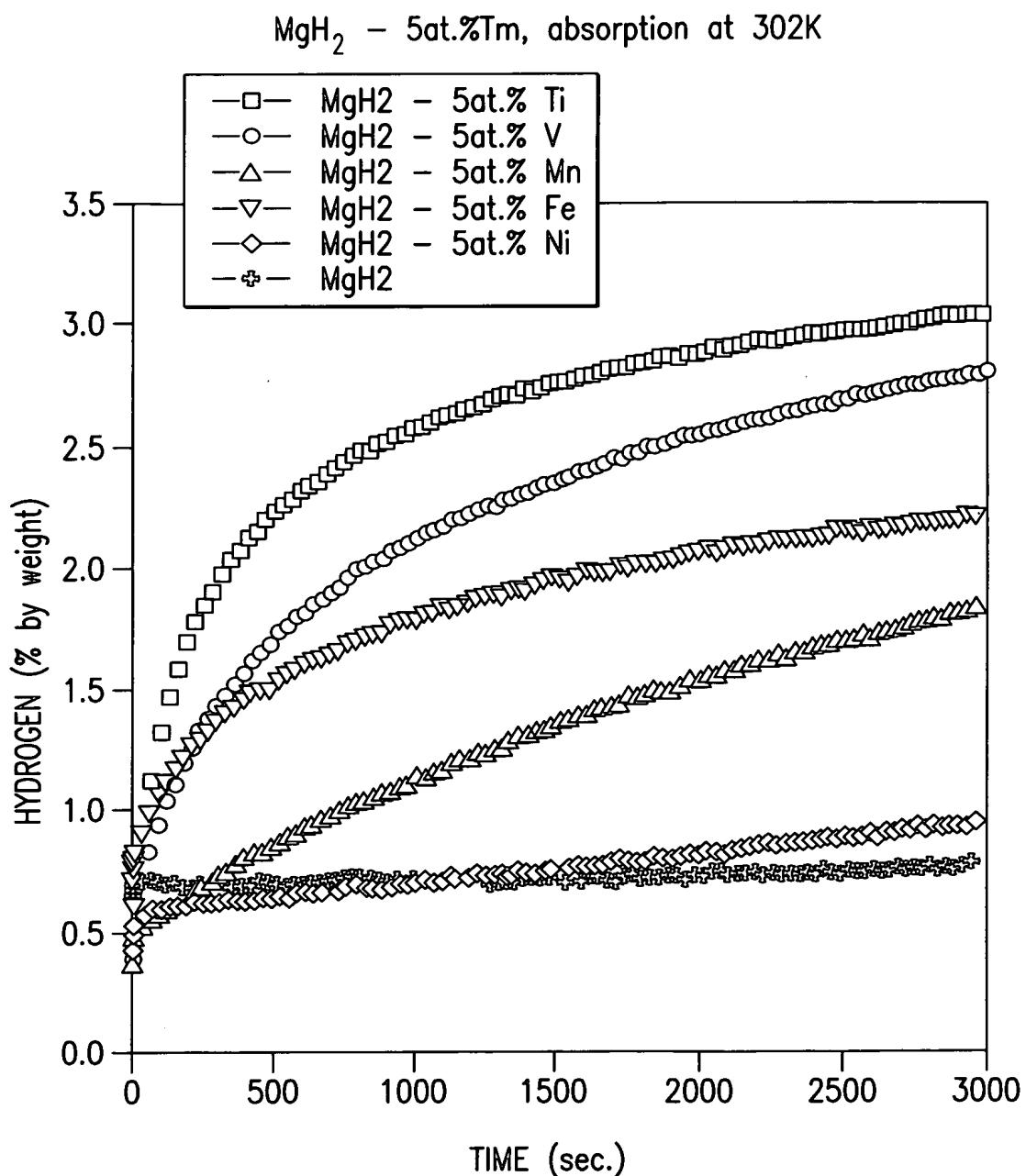
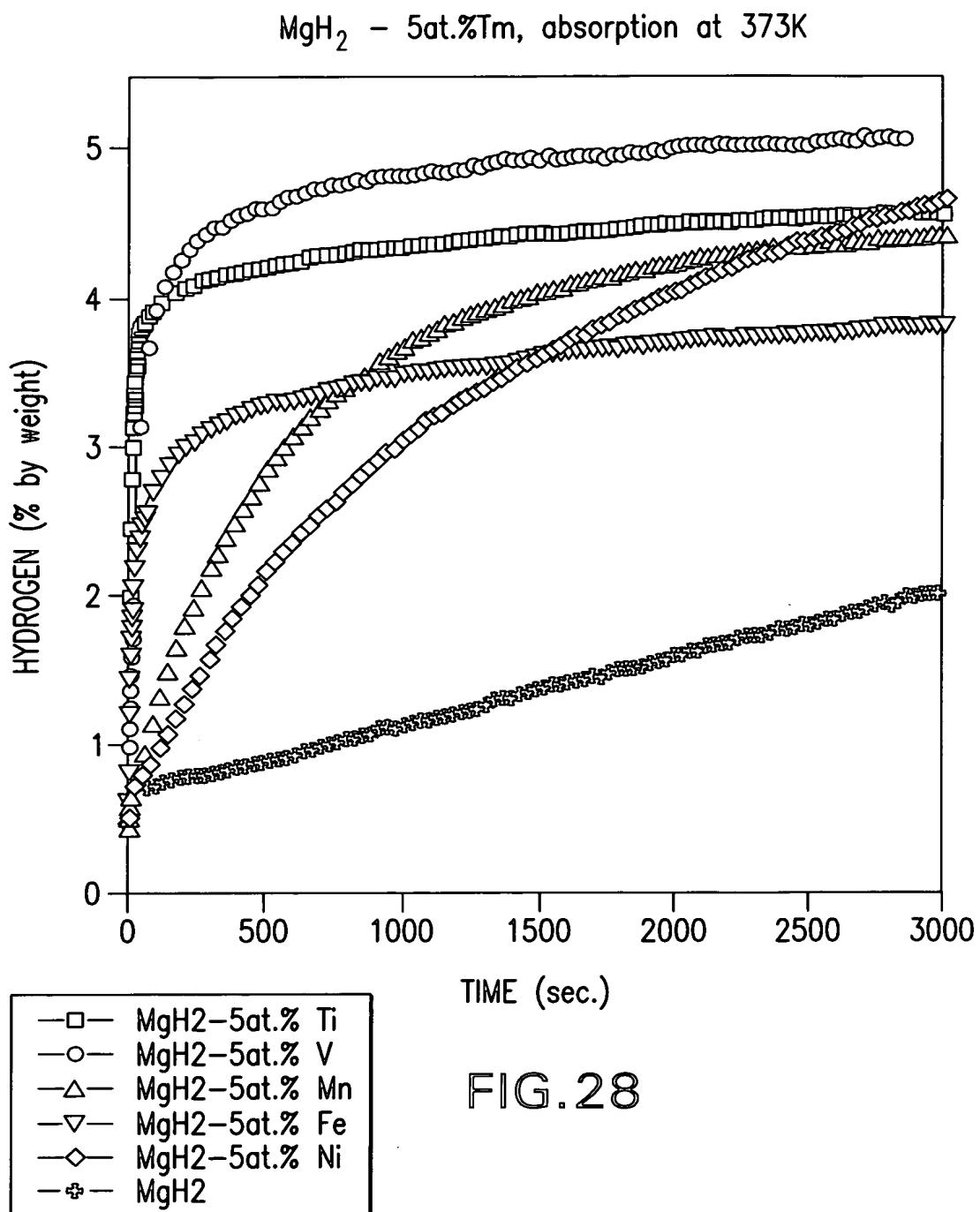


FIG. 27



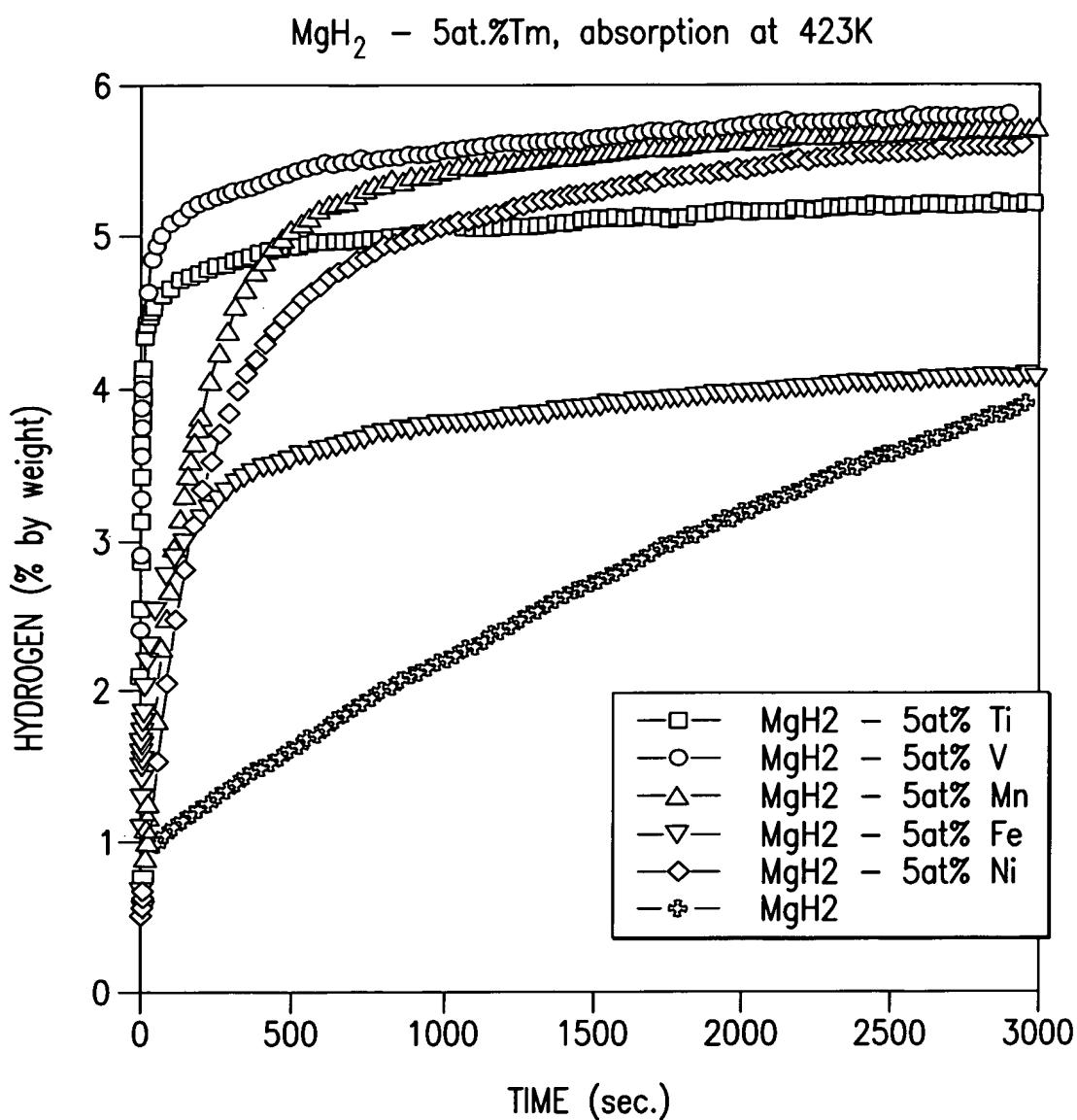


FIG.29

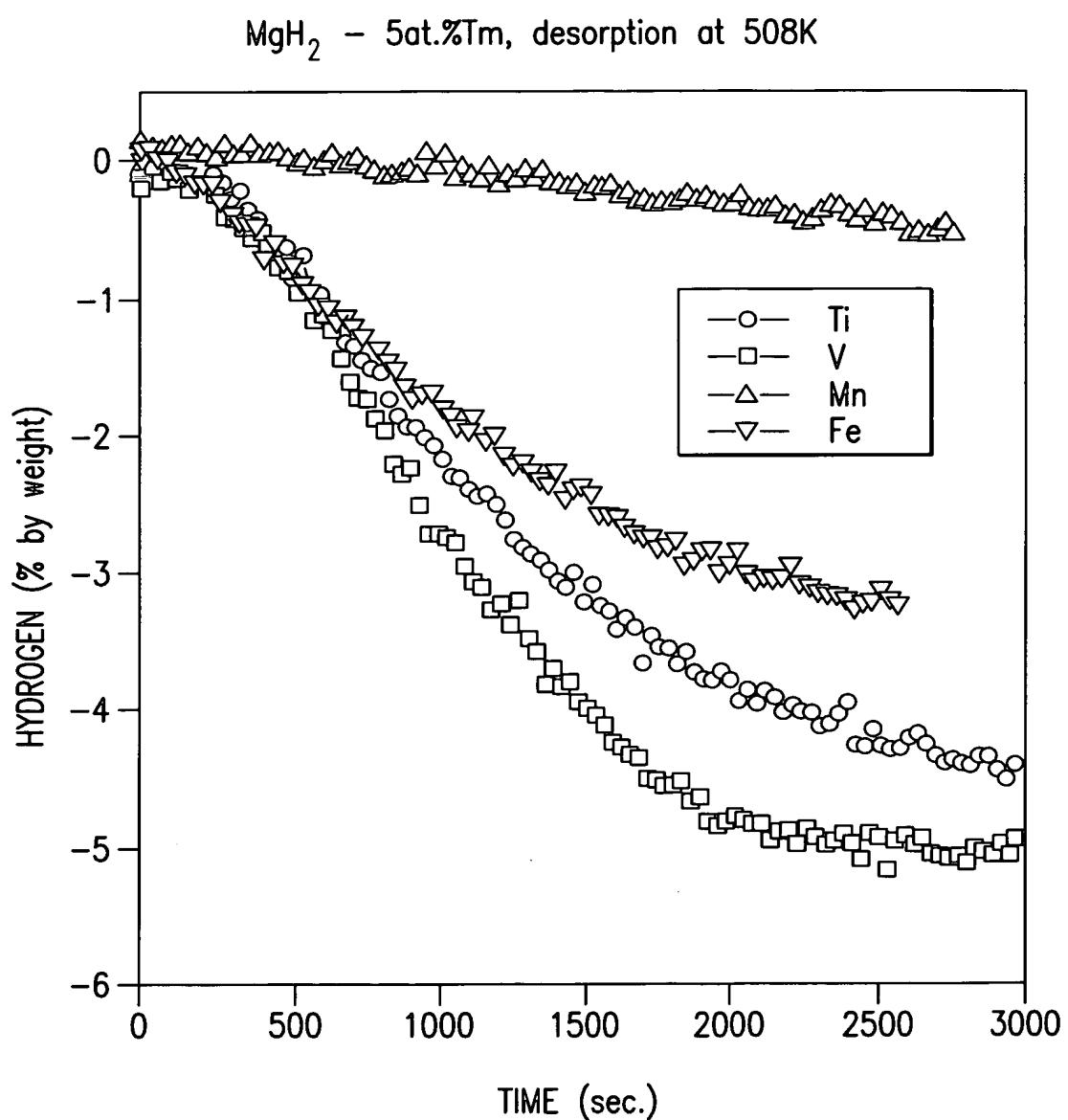


FIG. 30

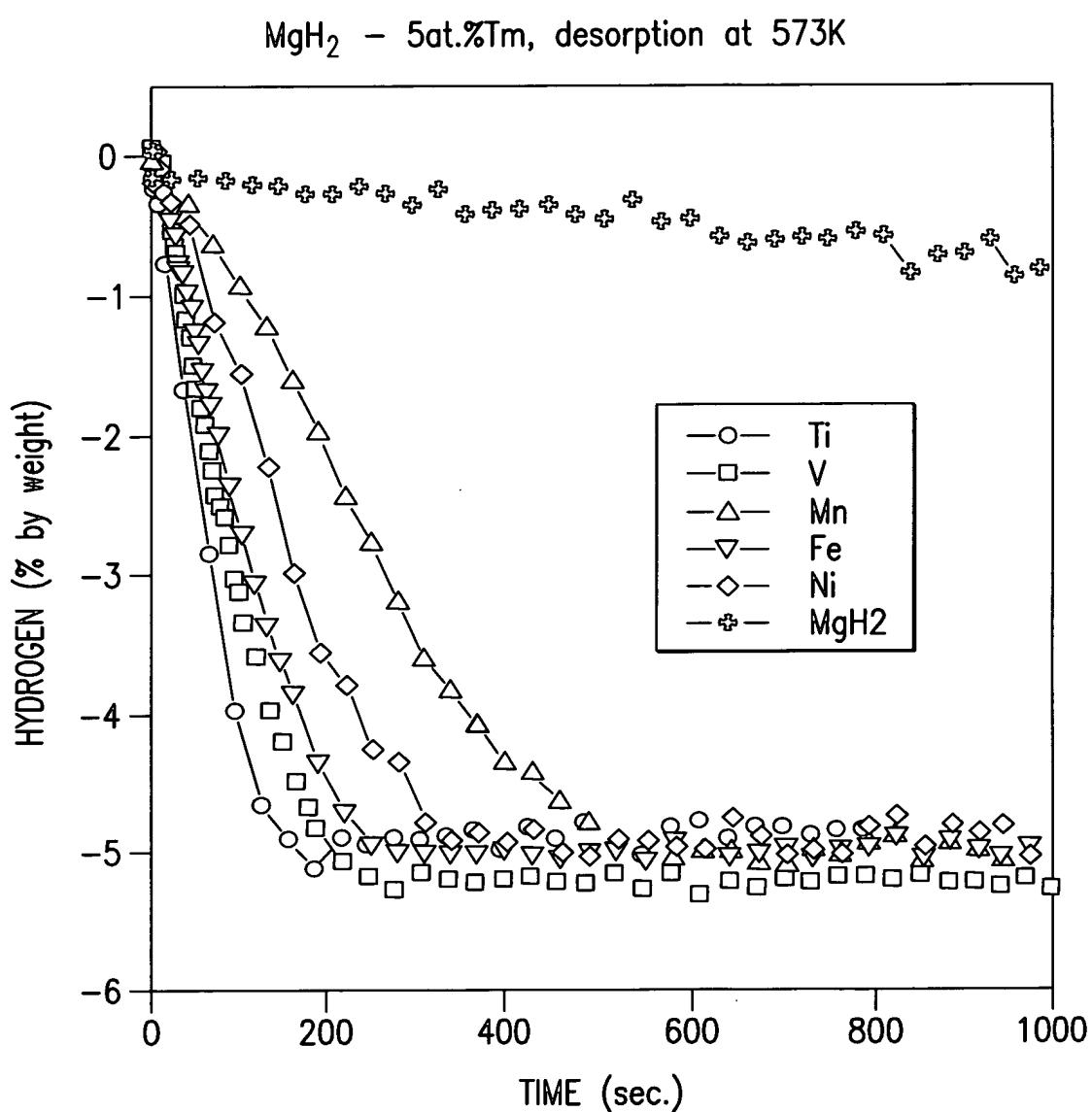


FIG.31

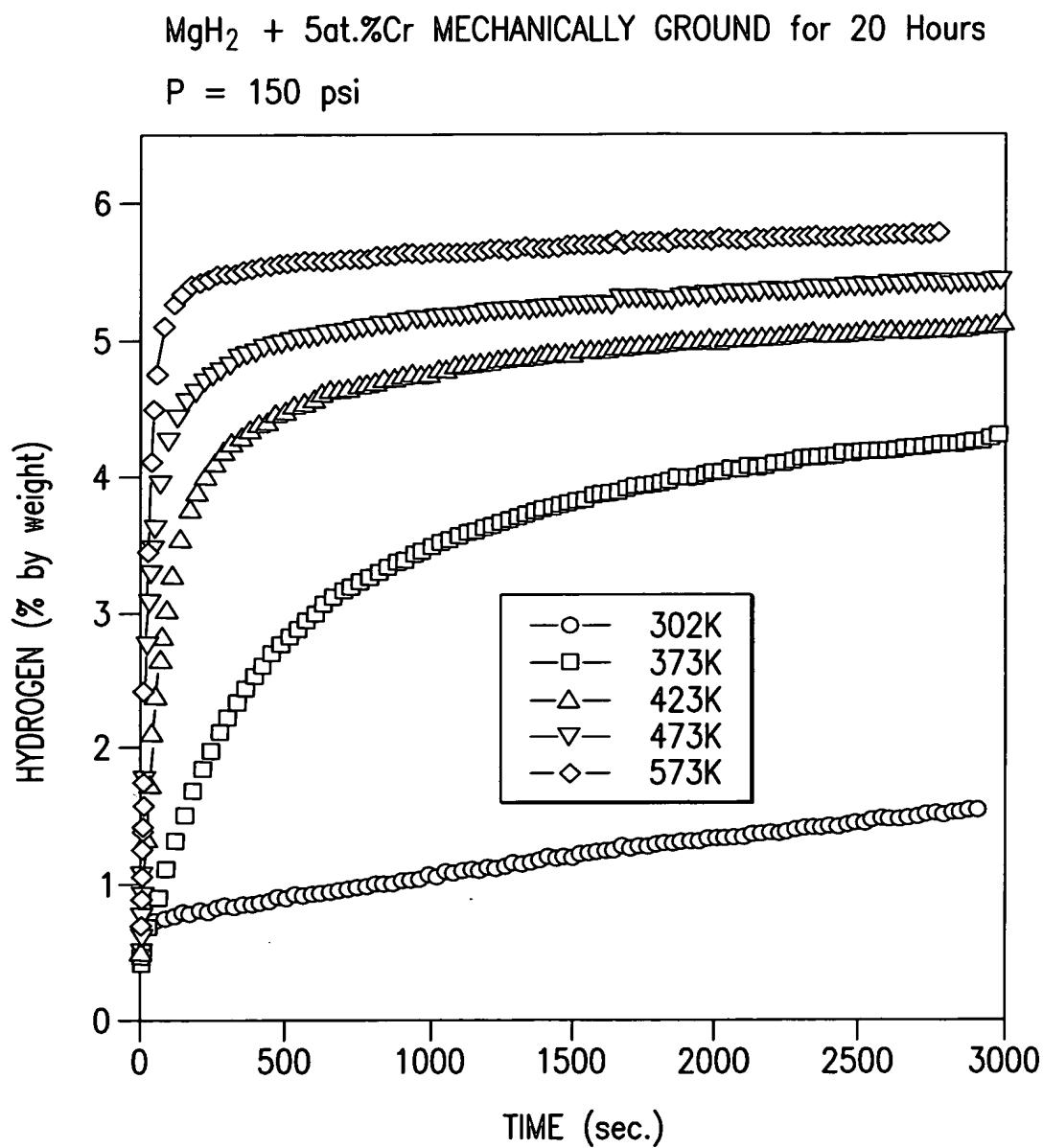


FIG.32

$\text{MgH}_2 + 5\text{at.}\% \text{Ca}$ MECHANICALLY GROUNDED for 20 Hours

$P = 150$ psi

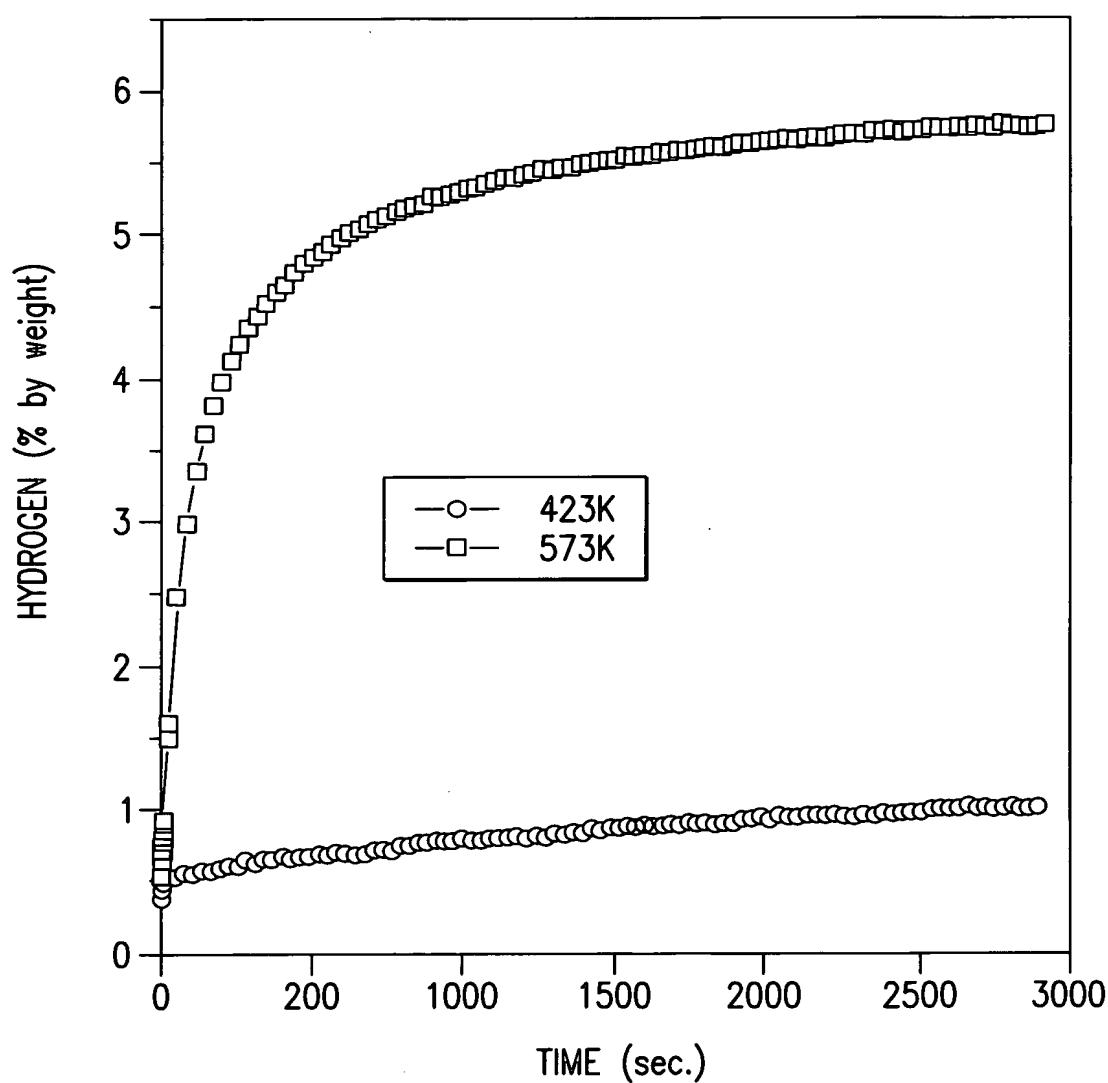


FIG.33

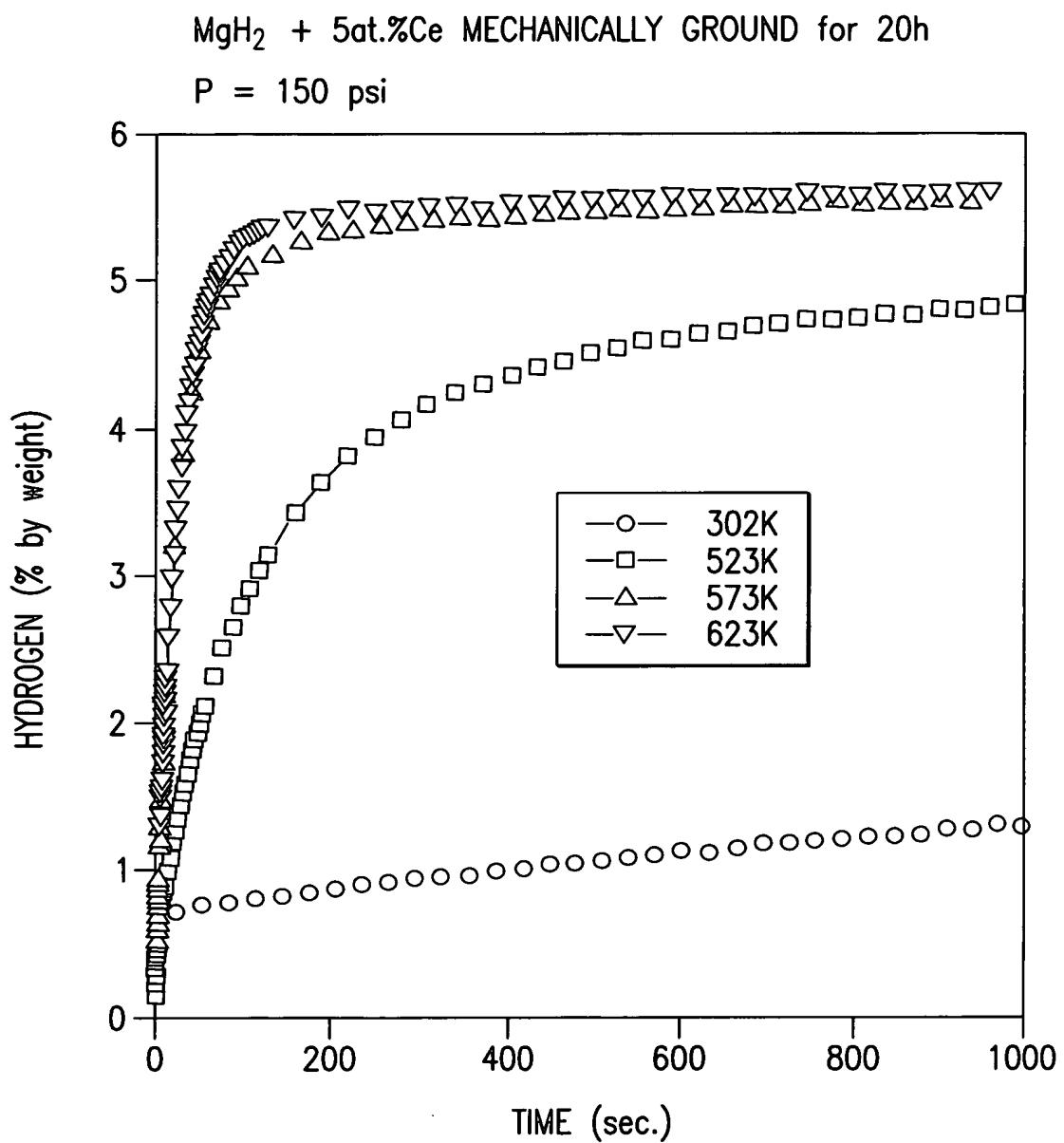


FIG. 34

$\text{MgH}_2 + 5\text{wt\%Y}$, MECHANICALLY GROUNDED for 20h

$P = 150 \text{ psi}$

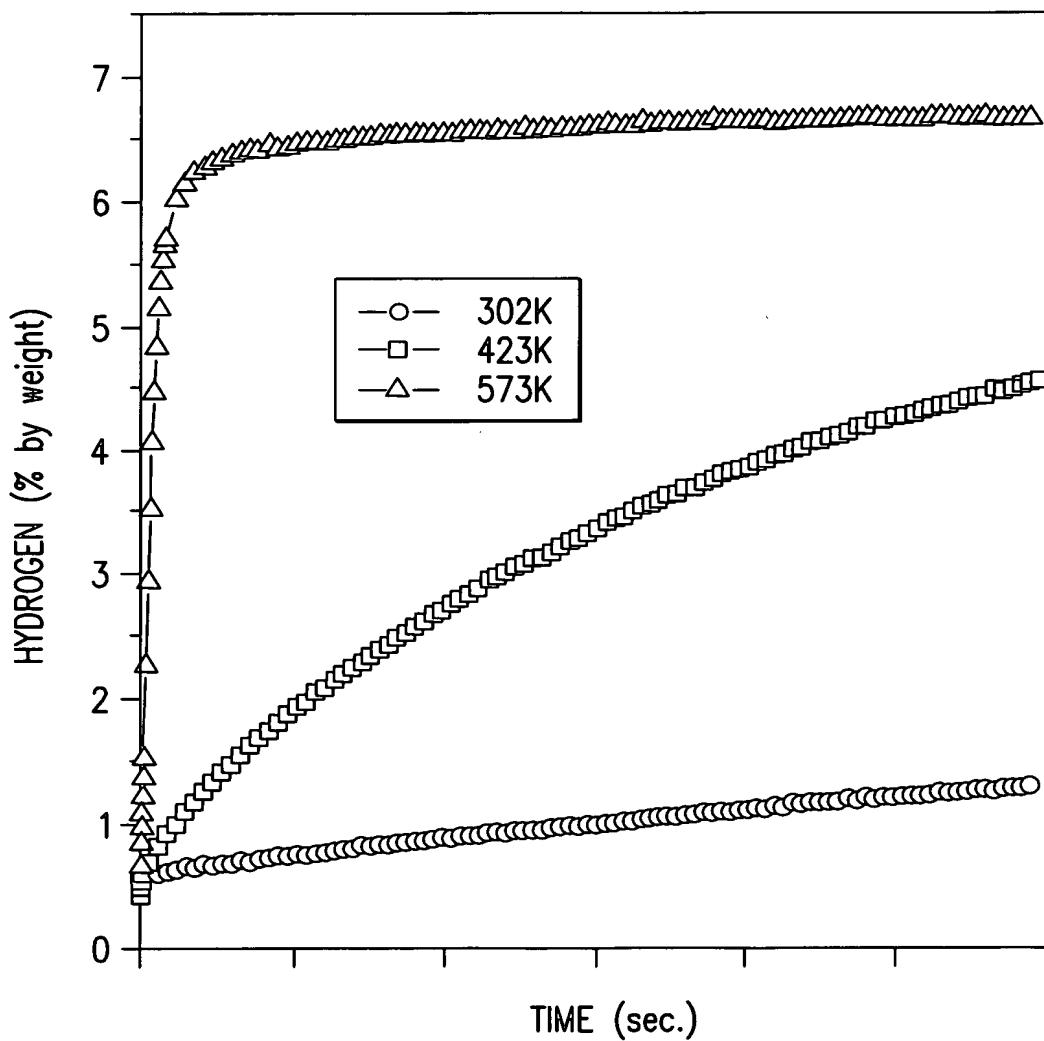


FIG.35

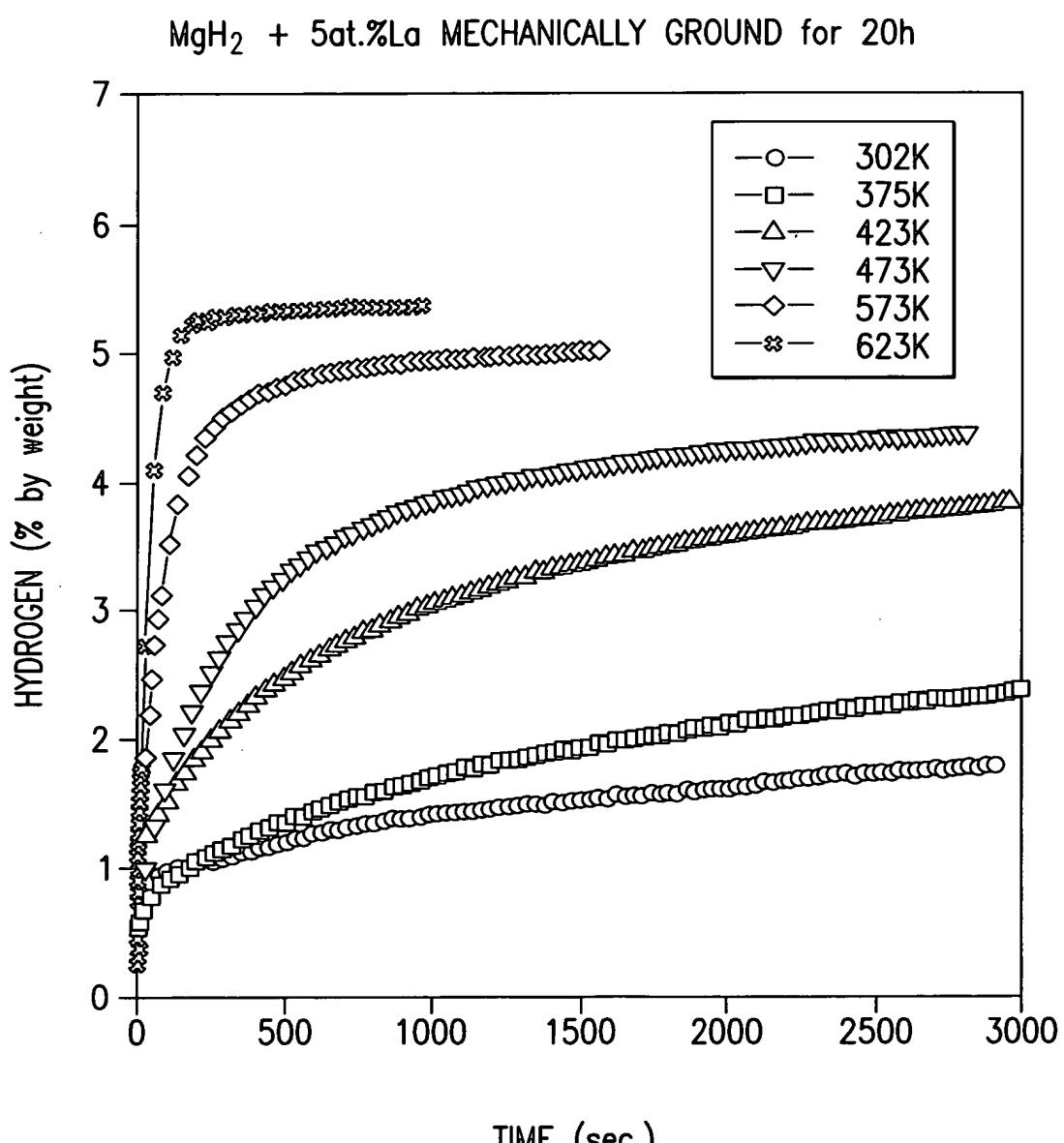


FIG.36

$\text{MgH}_2 + 5\text{at.\%Ce} - 5\text{at.\%La}$ MECHANICALLY GROUNDED FOR 20h

P = 150 psi

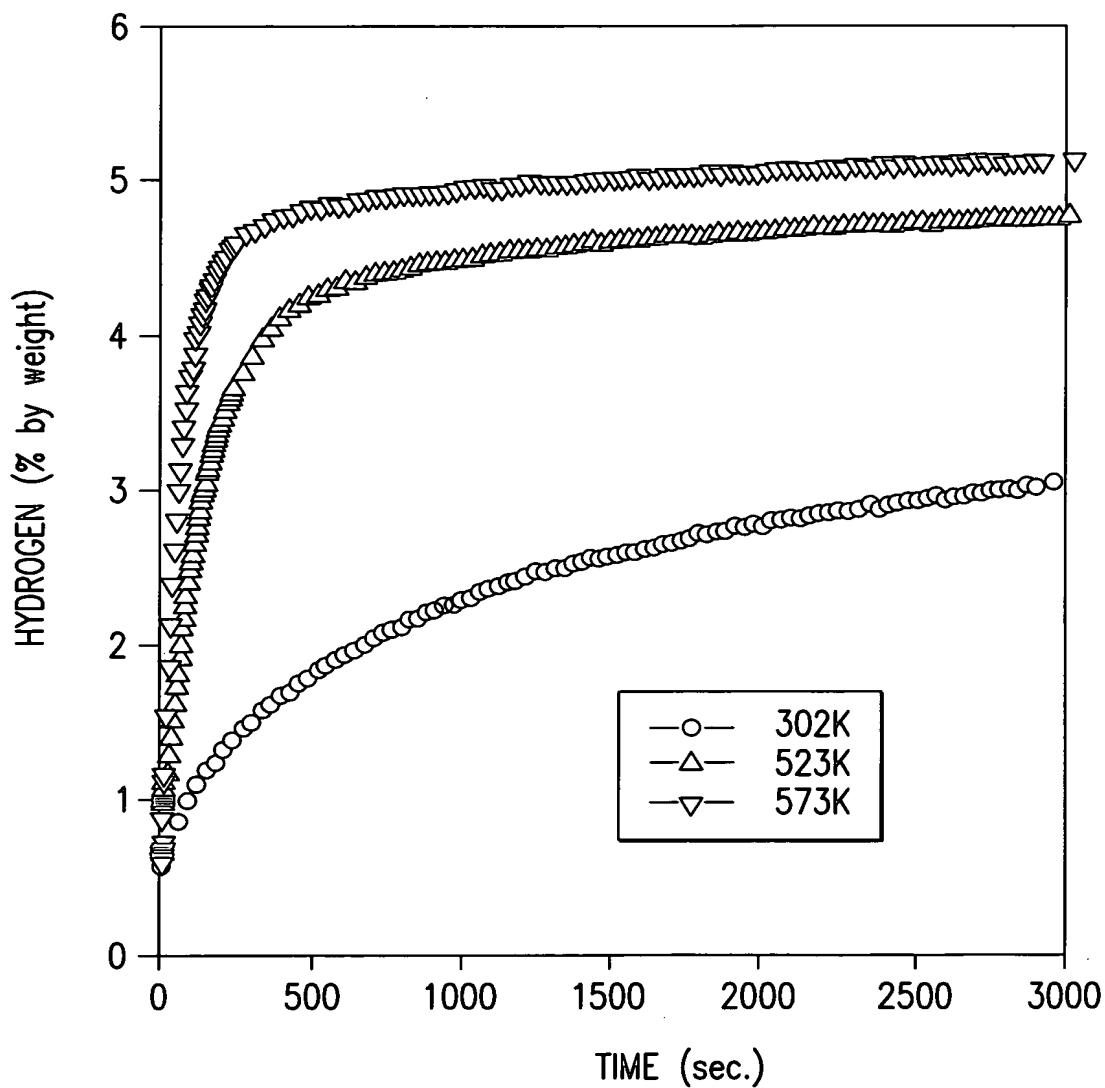


FIG. 37

$\text{MgH}_2 + 5\text{at.\% Ce} + 5\text{at.\% La} + 5\text{at.\% V}$ MECHANICALLY GROUNDED for 20h

$P = 150$ psi

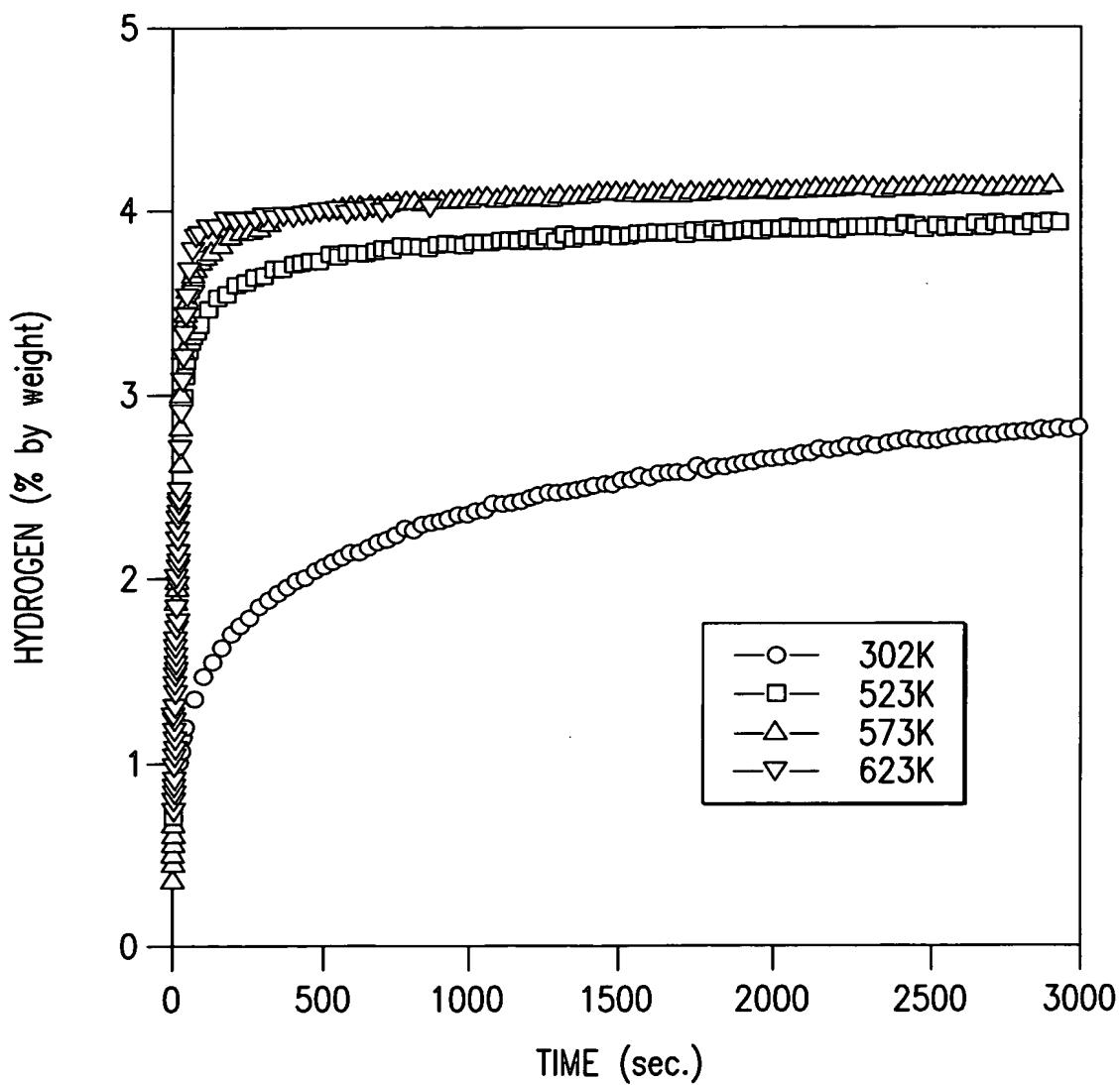


FIG. 38

MgH_2 - 7% by weight V - 30% by weight LaNi_5 MECHANICALLY
GROUND for 20h

$P = 150$ psi

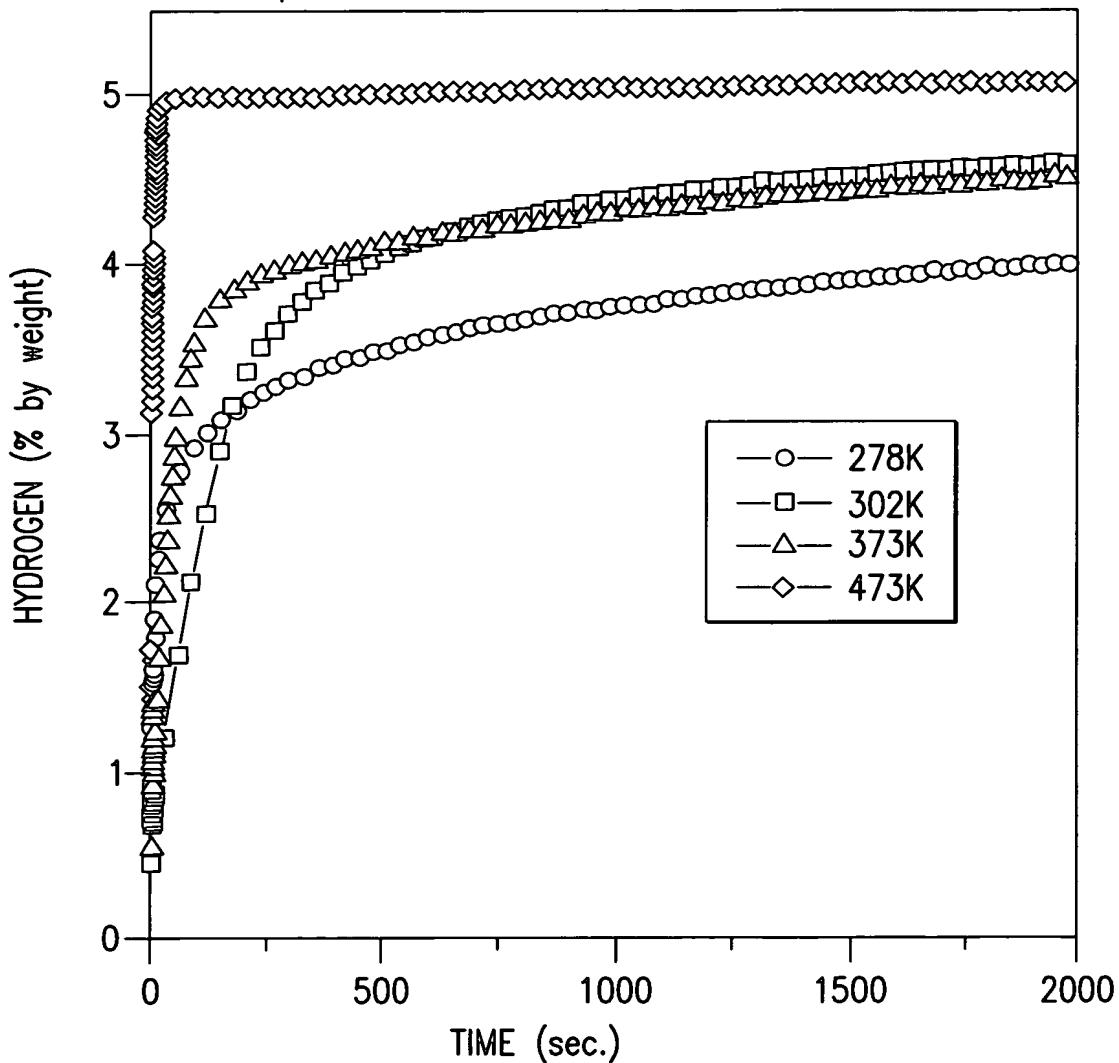


FIG.39

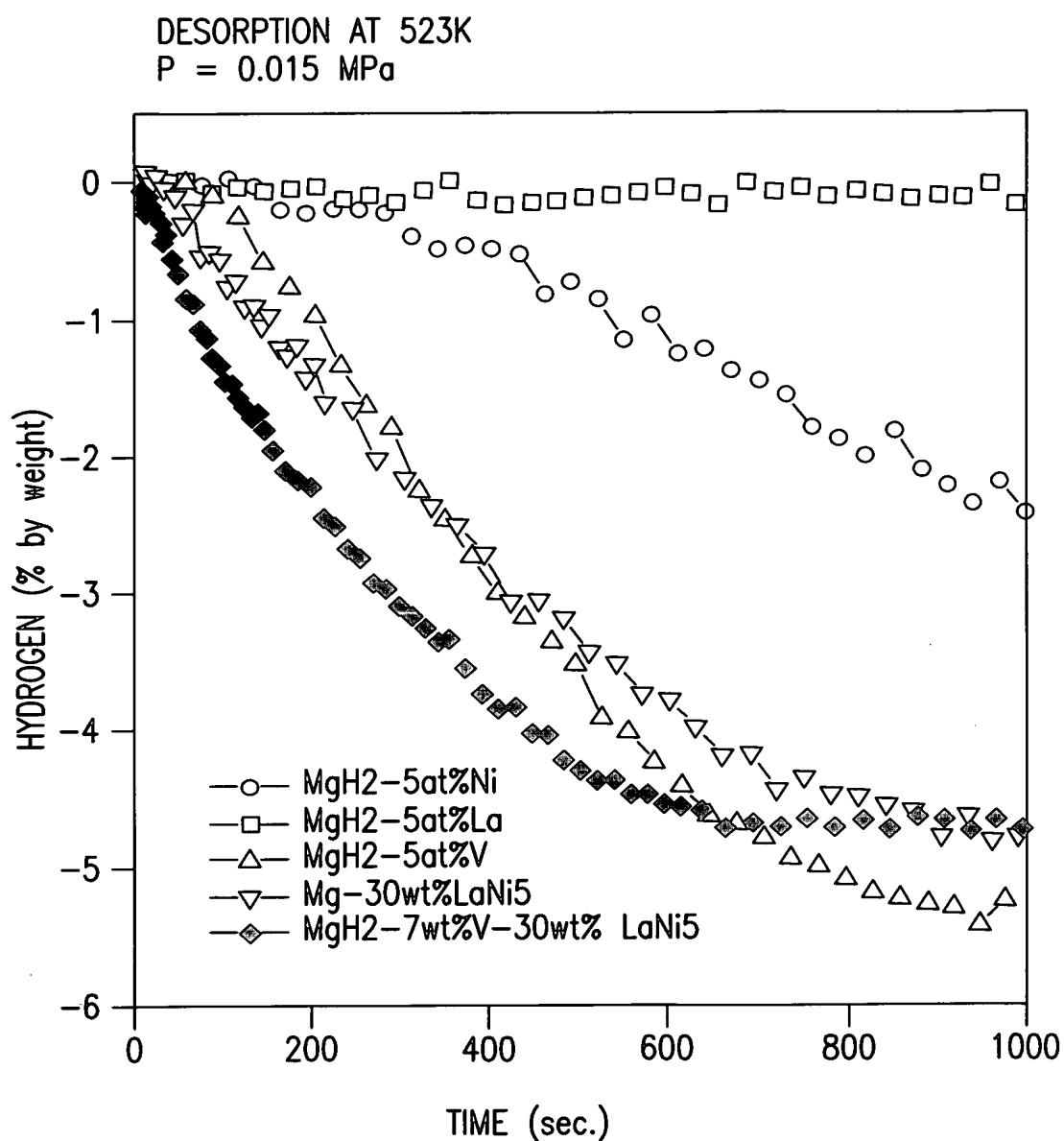


FIG.40